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SEPTEMBER 15, 1917.

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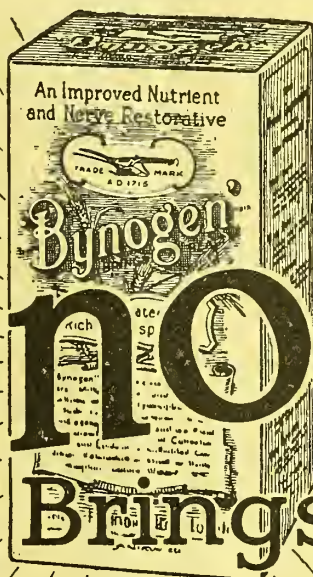
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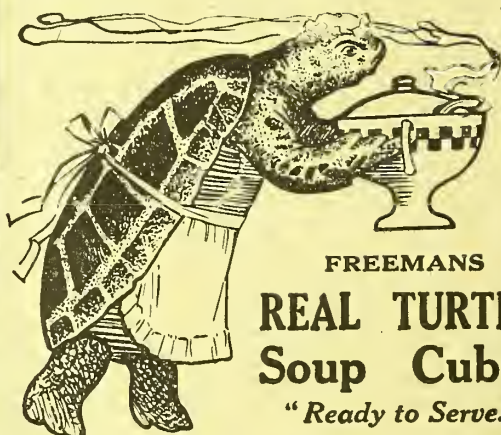
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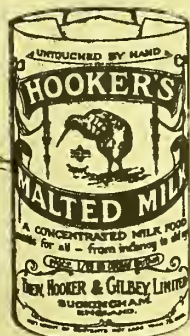
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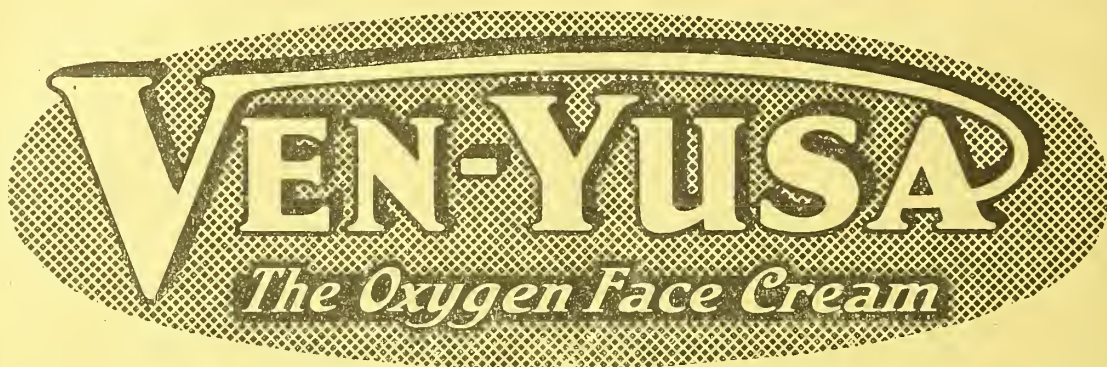
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THIS preparation, our latest Saline, made by our Special Process without SUGAR or SACCHARINE, is an unique Saline. It is strongly effervescent and delightfully palatable, making a bright, refreshing draught, which acts as a mild but very thorough aperient, antacid and liver stimulant.

BISHOP'S NATURAL FRUIT SALINE is taken regularly with pleasure and safety by men, women and children all the year round. This steady demand makes it a profitable winter line.

The Wholesale Price is 15/- per doz. Discount 10%, and carriage paid on £5 lots.

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This ensures a profit of 6d. a bottle to the Chemist.

In 8-oz. P. S. Bottles with striking Litho. Cover.

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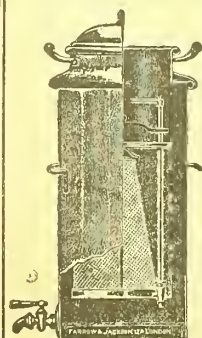
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 FILTERS** and
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ESTABLISHED 1798.

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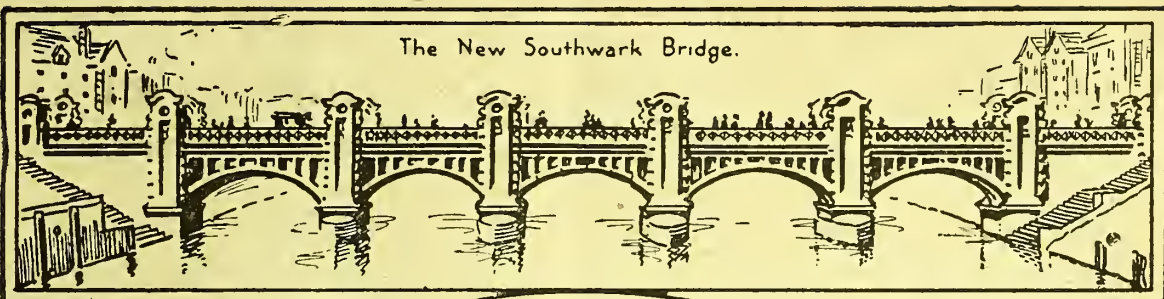
MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

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"Prana" Sparklet Works,
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The New Southwark Bridge.



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Chloral Hydrate
Cinchonine and Salts
Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and
Puriss
Cream of Tartar
Creosote Carbonate
Formaldehyde
Gallic Acid

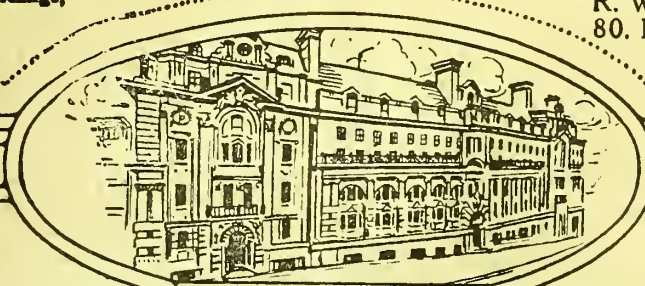
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substitute)
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Ferments
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Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
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The following are extracts from three letters recently received:—

1. Students who wish to pass the Minor economically and quickly should follow my example, i.e., take Mr. Wills' Postal System, and then run up to the College for a short time to finish off. I did this and passed easily. I experienced no difficulty after the thorough systematic course I had been through under the postal.
2. I am writing to tell you how much I have appreciated your postal lessons. Sorry I cannot continue them as I have joined the Army. Should I return safely I will place myself again in your hands as I can see by the past it would be impossible to do better. Your lessons are a pleasure to read and very comprehensive.
3. You will be pleased to hear that I have passed the Irish Examination held this month. 30 candidates presented themselves and only 9 passed, and I am one of the fortunate ones. Thanks to your lessons, &c.

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The Session 1917-18 will open on October 1.

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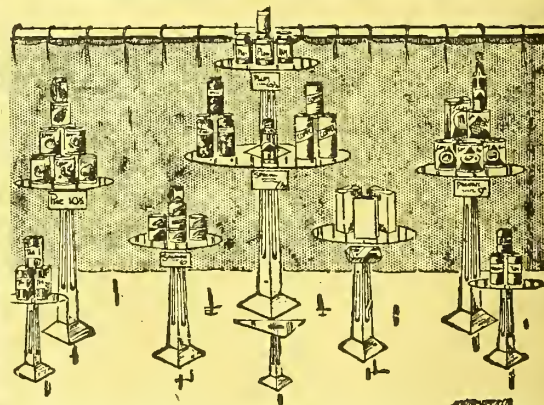


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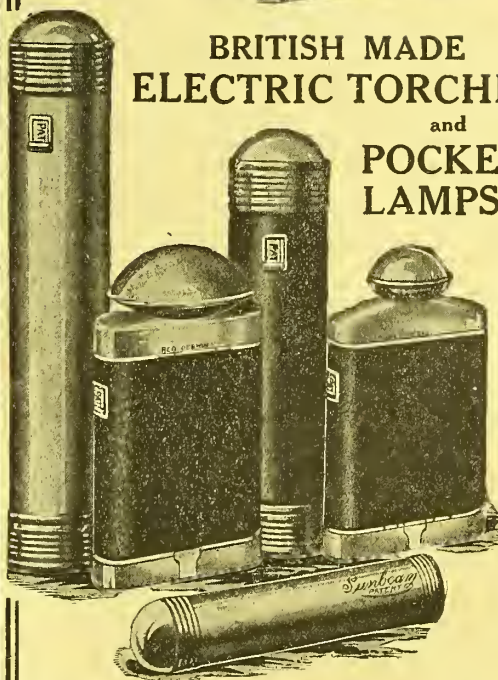
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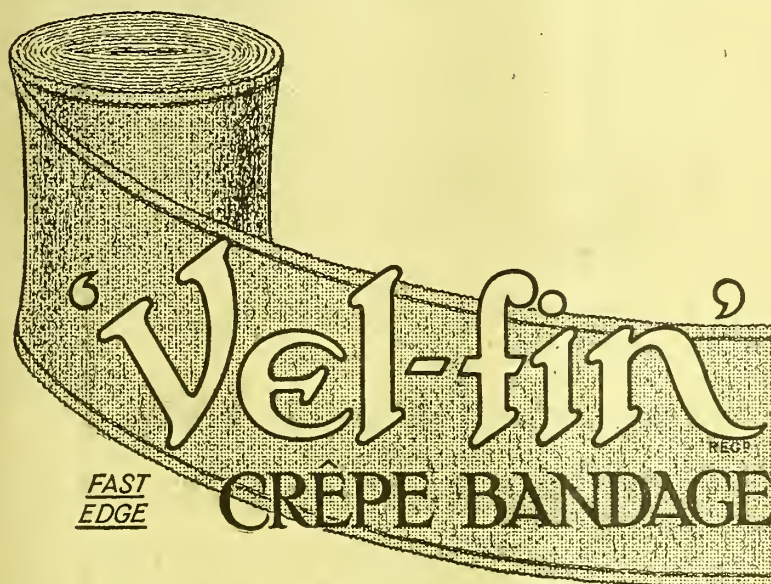
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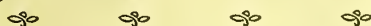
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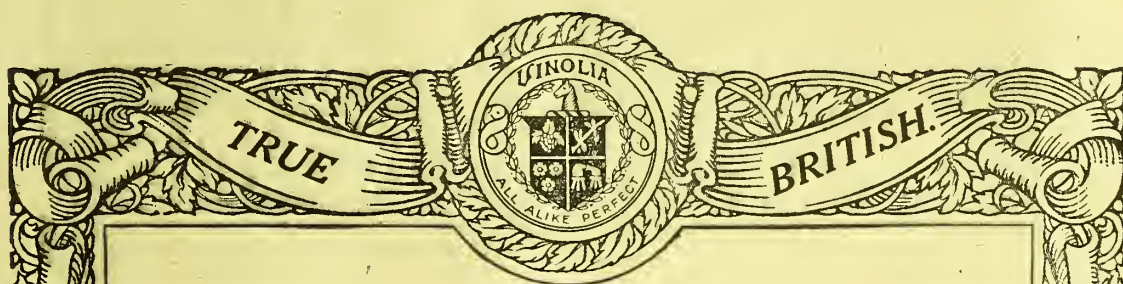
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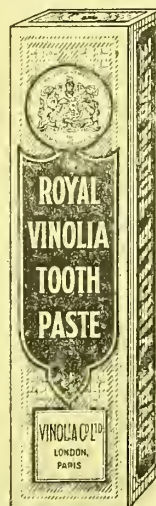
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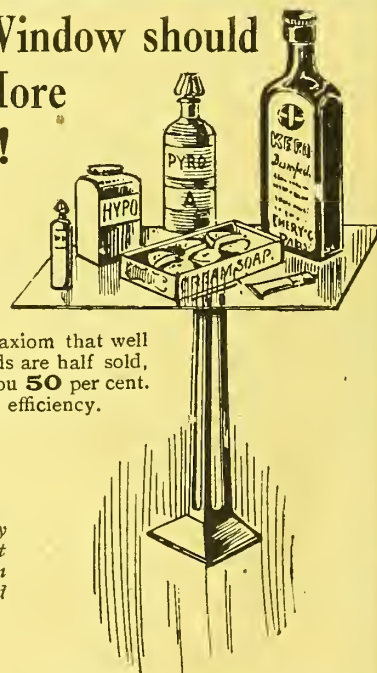
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The intelligent depilatory.
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Diary 1917, pp. 108, 109.

Winter Issue, 1917, pp. 68, 69.



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One solution, nine shades.

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1/-	1/-	7/6	} per doz. less 5 % discount
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Refills, 2/8 per doz.

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This "Special Starting Offer" can only remain open a short time longer. It has only appeared in one previous advt., but an almost overwhelming number of orders accepting it are received by every post since from every part of the British Isles.—J. E. G.

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Send Orders Direct to save Delay.

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Preparation for the Examinations of the Pharmaceutical Society.
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Toilet Soap of
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Write for Prices. ESTABLISHED 1794.

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SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

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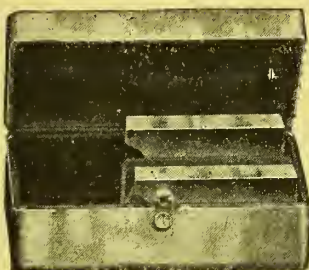
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The Emulsion is a perfect preparation; white, inseparable, pourable, and palatable, and it stands the microscopic test

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quote
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Prices	6/-	11/-	20/9 per dozen

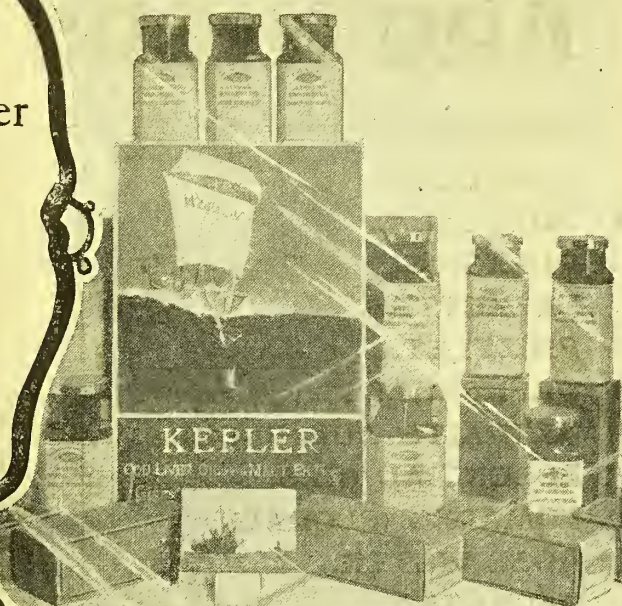
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"Yes!

'Kepler' Cod Liver
Oil with Malt
Extract makes
a capital display
and brings
plenty of
customers."



The demand is enormous. To get your
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The busy season is beginning NOW. Every day brings
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FIZZZLETS. (*Suspende* ')
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EXTRAITS AUX FLEURS.
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ESTABLISHED 1859.

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Telegrams: "Chemicus. Cannon, London." Telephone 3617 Central (three lines).

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THE CHEMIST AND DRUGGIST DIARY, 1918.—In order to meet Government requirements as regards the conservation of paper, there will be no displayed advertisements in *The Chemist and Druggist Diary* this year. We are printing instead an elaborated index of advertisers associated with an extended Buyers' Guide. This section of the *Diary* must be put to press next week, so that firms who desire headings in the Buyers' Guide section should place their instructions in the hands of the Publisher by Tuesday, September 18. We shall reserve space for the registration of formulæ for "known, admitted, and approved" remedies. Our *Diary* was the first book of the kind which the Revenue authorities accepted as an approved book of reference. The space reserved in the 1918 *Diary* for such formulæ will be limited, so that true copies of them, with doses or other directions for use, should be sent to the Editor, *C. & D.*, 42 Cannon Street, London, E.C., as promptly as possible.

FREE CHLORINE in drinking-water is detected by the addition of an acid solution of benzidine or tolidine, which give a yellow colour with so little as 0.005 part of chlorine per million of water and do not react with chlorino.—*Nature.*

GAS-MASKS.—The efficiency of the gas-masks issued to soldiers having been called in question, the War Office has issued a statement that the tests which the masks undergo are such as to ensure that the wearers are quite safe from poisoning by gases.

European War News.

Import and Export Notices.

FRANCE.—With reference to the announcement in last week's *C. & D.* (p. 35) as to the issue of licences for the importation into France of goods of British origin, the Board of Trade notify that the French Customs Office at Bank Buildings, Kingsway, London, W.C. 2, is now prepared to receive applications from exporters in this country for French import licences in respect of those classes of goods for which it has been arranged that licences shall be issued in this country instead of in France. Applications, which must be in the prescribed form, should be made direct to the French Customs Office in London, and must be supported by a certificate issued by a Chamber of Commerce certifying that the goods are the produce or manufacture of the United Kingdom. Full information regarding the procedure to be adopted may be obtained from the office above mentioned, or from the Commercial Department, Board of Trade, Gwydyr House, Whitehall, S.W. 1.

RUSSIA.—The Secretary of the Commission Internationale de Ravitaillement has issued a notice reminding intending shippers of the early closing of the Archangel shipping season. Applications for space should reach the Transportation Department, Russian Government Committee, Empire House, Kingsway, W.C. 2, not later than September 15, after which date none can be considered.

SPAIN.—An official decree was published on September 7 prohibiting absolutely the export of olive oil.

Lead Commandeered.

The Minister of Munitions gives notice of his intention to take possession as from September 1 until further notice of all pig lead, whether virgin or remelted, old and scrap lead, and lead residues situated in the United Kingdom, excepting all such lead as may be in the possession of or due under an existing lawful contract in writing for future delivery to a manufacturer for use in such manufacturer's own works, and all such lead as may be specially excepted under the written authority of the Minister of Munitions. The lead of which possession is taken will, until further notice, be paid for by the Minister of Munitions on delivery. The Order is published in full in the "London Gazette" (September 7). It may be mentioned that lead and lead compounds were controlled by the Minister of Munitions in April 1917 (see *C. & D.*, April 14, p. 33), when we gave the schedule of fixed maximum prices of lead compounds, such as dry white-lead, white-lead in oil, red-lead, and litharge. These prices are unchanged, according to the "Gazette" notice.

Hops Controlled.

The Food Controller has issued an Order which restricts dealing in hops. The Order, which may be cited as the Hops (Restriction) Order, 1917, and came into force on September 1, provides that no person shall, without a permit issued under the authority of the Food Controller, either on his own behalf or on the behalf of any other person, buy or sell, or agree or offer to buy or sell, any hops grown in the United Kingdom in the years 1914, 1915, 1916, and 1917. The above Order has since been extended so as to prohibit dealings in or delivery of hops grown in the United Kingdom before the year 1914 and foreign hops. Infringements of the Order are declared to be summary offences against the Defence of the Realm Regulations.

Personalia.

MR. J. C. GARRATT, son of Mr. J. E. Garratt, 96 Southwark Street, London, S.E., has received a commission in the Royal Flying Corps.

THE ANNOUNCEMENT made in this column last week with regard to Mr. John Howard Unney was incorrect. We trust, however, that it will turn out to be a correct forecast.

PRIVATE JOHN HORNBY, Royal Engineers, has been dangerously wounded and is in hospital. Before enlisting he was employed at the works of the United Alkali Co., Ltd., Thornton.

CAPTAIN C. W. N. FOX, who has been on active service since the beginning of the war, received his present promotion on August 31. Captain Fox is a pharmacist and a director of Wm. Fox & Sons, Ltd., Bethnal Green Road, London, E.

MR. HENRY G. GRANTHAM, till recently representing Allen & Hanburys, Ltd., in Ireland, has obtained a commission in the A.S.C. Motor Transport. During his absence on service a large part of his former work will be undertaken by his wife.

LANCE-CORPORAL A. W. WOOD, son of Mr. A. G. Wood, Birmingham (representing Duncan, Flockhart & Co.), was wounded in the left shoulder on August 24, and is in hospital in France. He has seen service in the Dardanelles and in Egypt.

CORPORAL RICHARD SHOTTER, King's (Liverpool Regiment), who was recently wounded and gassed, has recovered under hospital treatment, and has rejoined his regiment. Prior to hostilities he was in the employ of Mr. E. N. Jackson, chemist and druggist, Dickson Road, Blackpool.

LIEUTENANT A. D. MILLER, Gordon Highlanders, has been awarded the Military Cross for gallantry and devotion to duty. Lieutenant Miller, who has qualified as a pharmacist, was prior to joining the Forces managing assistant to Mr. E. Courtenay, chemist and druggist, Queen's Terrace, London, N.W.

PRIVATE GEORGE H. ELLICK, R.A.M.C., who was slightly wounded last April, is now suffering from shell-shock, and is in a Metropolitan military hospital. He is the second and only surviving son of the Curator of the Royal Institution, Liverpool, the headquarters of the Liverpool Chemists' Association. His elder brother was killed in action.

SECOND-LIEUTENANT FRED. GRIMWADE, Royal Flying Corps, eldest son of Mr. E. Norton Grimwade (senior partner in Felton, Grimwade & Co., manufacturing chemists, Melbourne), who was wounded and taken prisoner to Germany in April 1916, arrived in London this week. He had been on parole in Switzerland since April last, his parents having joined him there.

SECOND-LIEUTENANT A. AUSTIN KENNINGHAM, who was gazetted to the Royal Field Artillery on August 19, is the only son of Mr. J. A. Kenningham, of Condy & Mitchell, Ltd. He was educated (like his father before him) at the Whitgift Grammar School, Croydon, where he obtained an open junior scholarship in 1911 for three years, afterwards obtaining a senior one for two years in 1914, and being granted a further year by the Governors in 1916. He passed the Cambridge senior examination with honours, and matriculated in 1914, when barely sixteen years of age. Joining the School O.T.C. just after the war broke out, he passed through the ranks, and when he left the school last Christmas he was senior sergeant in the corps (a record for promotion). He was Vice-Captain of the School and senior prefect. By a special dispensation of the Grand Master of Surrey (Rev. H. W. Turner, who is an old master of the Whitgift School) Second-Lieutenant Kenningham was initiated in the Whitgift Masonic Lodge (for masters and old boys of the School only) last May by his father, who is the W.M. of the Lodge. It has been arranged with Mr. J. C. Umney that after the war he will enter the laboratories of Wright, Layman & Umney, Ltd., and pursue a scientific and chemical career.

Miscellaneous.

THE HUI LUN DISPENSARY, SWATOW, has been added to the list of institutions to which articles may be exported in China.

GERMAN DYESTUFFS.—Mr. J. W. Gerard, late U.S. Ambassador in Berlin, whose experiences are appearing in the "Daily Telegraph" under the title "My Four Years in Germany," has made several references to the chemical-industry of the pirate empire. The following is a paragraph which appeared this week:

The dyestuff-industry had been developed to such a point in Germany that Germany supplied the whole world. In the first months of the war some enterprising Americans, headed by Herman Metz, chartered a boat called the *Matanzas* and sent it to Rotterdam, where it was loaded with a cargo of German dyestuffs. The boat sailed under the American flag, and was not interfered with by the English. Later on the German Department of the Interior, at whose head was Delbrück, refused to allow dyestuffs to leave Germany except in exchange for cotton, and, finally, the export of dyestuffs from Germany ceased, and other countries were compelled to take up the question of manufacture. This state of affairs may lead to the establishment of the industry permanently in the United States, although that industry will require protection for some years, as undoubtedly Germany, in her desperate effort to regain a monopoly of this trade, will be ready to spend enormous sums in order to undersell the American manufacturers and drive them out of business. The commercial submarines *Deutschland* and *Bremen* were to a great extent built with money furnished by the dyestuff-manufacturers, who hoped by sending dyestuffs in this way to America that they could prevent the development of the industry there.

Particulars have also been given regarding the number of research chemists employed by the dye-makers and the amalgamation of interests which took place last year with a view of meeting competition after the war.

DRIED FRUITS CONTROLLED.—The Food Controller has issued an Order prohibiting all dealings in dried fruits of specified varieties outside the United Kingdom. The varieties specified in the Order are: Valencias, muscatels, sultanas, and all other varieties of raisins, dates, dried currants, dried figs, dried prunes and plums, dried peaches and nectarines, dried apricots, dried pears, dried apples.

CHROME-ORE RESTRICTIONS.—The Minister of Munitions orders that till further notice no person shall purchase or take delivery of chrome ore of any grade except under a permit, and that no person shall supply chrome ore of any grade except to the holder of such a permit. All applications for permits should be addressed to the Director of Materials, Reference AM2/FWH, Ministry of Munitions, Hotel Victoria, Northumberland Avenue, W.C. 2.

PATENTS IN ENEMY COUNTRIES.—The Board of Trade has issued an official notice modifying the licence which was made on December 7, 1915 (C. & D., December 13, 1915, p. 40), permitting in certain circumstances the payment of fees and agents' charges and expenses in respect of patents, designs, and trade-marks payable in an enemy country or on behalf of an enemy. The notice is published in the "Gazette" and in the "Illustrated Official Journal (Patents)," September 12.

Military Tribunals' Decisions.

SINCE OUR LAST ISSUE the following decisions have been notified:

BERMONDSEY.—The Military Representative drew attention to what he described as a most flagrant case of the abuse of trade-protection cards—that of A. D. Chester, who described himself as a manufacturing chemist. The Tribunal made inquiries into his claim, visiting the works, and granted him a final period of exemption. Mr. Chester took the case to the Appeal Tribunal, where his claim was disallowed, but he has since obtained a trade-protection card. At the Appeal Tribunal he maintained that he was manufacturing Glauber's salt, but he was unable to describe the process of manufacture. He was nothing more or less than a glorified commercial traveller. The Tribunal decided to communicate with the Government Department and the local officer responsible for issuing the cards, stating that they would consider suspending hearing further appeals unless there was an alteration in the mode in which the cards were being indiscriminately granted.—Mr. Arthur J. Seward, manufacturing chemist, Tower Bridge Road, applied for further exemption, and stated that he is not a fully qualified chemist. The Military Representative said that the applicant is not able to dispense for the Army, and inquired if he could make up boracic ointment. Applicant replied that he could not. Granted two months' conditional exemption.

CAMBERWELL.—J. W. Rumsey & Son, chemists, Lordship Lane, Dulwich, S.E., appeared to show cause why a certificate of conditional exemption should not be withdrawn from their dispenser. Mr. Rumsey, senr., said they are dispensing between 80 and 100 prescriptions a day at this shop. The certificate was withdrawn, and three months' exemption was granted instead.

FAIRFORD.—Mr. Frederick William Manning, chemist and druggist, Fairfield, applied for conditional exemption, and was granted three months, with leave for further appeal.

ORPINGTON.—Mr. Norman H. Dannatt, pharmacist, High Street, Orpington, was granted six months' exemption.

ROCHESTER.—A further three months' exemption was granted to Mr. H. C. H. Freestone, pharmacist, manager to Ostler & Green, chemists and druggists, High Street, Strood.

ROWLEY REGIS.—A Blackheath (Birmingham) firm of chemists appealed for a dispenser, whose medical adviser states that he has symptoms of a serious disease. Three months' exemption was granted.

SHOREDITCH.—Warrick Bros., Ltd., Nile Street, City Road, N., appealed for Arthur Blockley, medicinal-tablet maker. Six months' exemption was granted.—The appeal of Mr. Gold, medicated-lozenge manufacturer, 83 Albion Road, N., for his son Aaron, a traveller, was dismissed.

SUSSEX (EAST).—Exemption till October 1 was granted at the Appeal Court to a dispenser for a Brighton pharmacist, leave to appeal to the Central Tribunal being refused. It was stated that although the pre-war number of principals or managers in Brighton (fifty-three) remained unchanged, the number of assistants had been reduced from 104 to sixty-four, including ladies.

WORKING.—With the assent of the military authority, three months' exemption has been granted to Mr. E. D. Lewis, pharmacist (with Timothy White Co., Ltd.).

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Charterhouse Ambulance Corps.

The newly formed Charterhouse Ambulance Corps (see *C. & D.*, September 1, p. 46) gave its first demonstration last week in the Pensioners' Court of Charterhouse, London, E.C., under the direction of Mr. J. Faulkner. The corps, formed from the staff of Francis Newbery & Sons, Ltd., and other business-houses in Charterhouse Square, gave practical demonstrations with standard appliances, and also with improvised contrivances made of string, cardboard, etc., the object of



the latter class of tests being to show what could be accomplished in the event of the regulation accessories not being available—e.g., in an air-raid. A vote of thanks to the Master of Charterhouse for the use of the Court was moved by Mr. Francis R. L. Newbery, who also complimented the members of the Ambulance on their performance and smart turn-out. The vote was seconded by Mr. E. Pickering (director of Francis Newbery & Sons, Ltd.). The Charterhouse, which forms the background of the picture given above, was founded as a Carthusian monastery in 1371, on the site of a burying-field for persons dying of the plague. The name is a corruption of Chartreuse. On the dissolution of monasteries in 1537 the building passed through various hands, and was at one time the town house of the Howards. Queen Elizabeth and James I. stayed here on different occasions. The property was purchased in 1611 by Thomas Sutton for his hospital, which was to shelter forty poor boys and be a home for eighty poor men. The Charterhouse School was transferred to Godalming in 1872, but the pensioners still remain. The interior has a beautiful staircase still remaining, and the Great Chamber or tapestry room is a fine apartment. The tapestry referred to shows the handing of the keys of Calais to Edward III., and Queen Philippa interceding for the burgesses, who presented themselves with halters round their necks. The King's reply was, "Dame, I can deny you nothing; but I wish you had not been here."

Guardians' Affairs.

Bethnal Green Board of Guardians have accepted the tender of Bais Bros. & Co., Ltd., Bermondsey, S.E., for drugs for the infirmary.

Camberwell Board of Guardians have accepted the offer of the Apothecaries' Society (their present contractors) to supply drugs, etc., for the three months expiring December 31 at the same rate as heretofore—viz., 22½ per cent. off list prices.

Lewisham Guardians have been making inquiries as to the methods adopted by the various Metropolitan Unions for supplying drugs to their outdoor sick poor (see *C. & D.*, August 4, p. 34). Replies were received from twenty-eight Unions, and from these it appears that the salaries paid to district medical officers vary considerably throughout the Metropolis. No trustworthy statistics are obtainable for any period later than 1914; in that year the average payment per order made to the district medical officers of these Unions or parishes ranged from 2s. in Camberwell to 15s. 2d. in the City. Each "order" is estimated to entail an average of four visits. In Chelsea and Lambeth some

drugs are supplied through local chemists; in Bermondsey, Bethnal Green, and a part of Lambeth medical relief has been put under the direction of the Infirmary Medical Superintendent.

Birmingham.

Mr. B. Cadbury, son-in-law of Mr. Alfred Southall, Ph.C., has contributed 10l. to the Worcestershire Prisoners of War Fund.

The underrated nettle, *Urtica urens*, is coming into its own as a supplier of fibres for cotton, pyroxylin, and artificial silk.

Among those attending the Bromsgrove firing-drill during the week-end of September 8-10 was Mr. E. W. Mann, B.Sc., Ph.C.

A well-known firm applied in the proper quarter for 3 cwt. of glycerin as their supply for the winter, and were favoured with a licence for 7 lb.

The Commissioner for Civil Liabilities, Mr. Marshall Freeman, who is a chemist as well as a barrister, has taken up fresh quarters in Paradise Street.

A local chemist's window is an object-lesson in the display of honey, the hive, etc., being tastefully grouped. The *Apis mellifica*, however, are not present.

At Birmingham Police Court on September 10, twelve Chinamen were charged, under the Defence of the Realm Regulations, with being in possession of opium prepared for smoking. Nine of the prisoners were each fined 10l.

Mr. A. M. Chance has forwarded to the Lord Mayor a donation of 10l., to be placed at compound interest as a set-off in the event of any loss in connection with the site for the Council House Extension, acquired on a 999 years' lease.

A local periodical gravely informs its readers that to make a cake light glycerin should be added, during the mixing, in the proportion of a teaspoonful to 1 lb. of flour. It is not stated where and on what terms the glycerin can be obtained.

Bradford.

The Bradford Health Committee, after considering the frequency of outbreaks of measles and the mortality occasioned among children, passed a resolution, last week, urging upon the Government the desirability of setting aside a sum of money for research into the causes of the disease and the best means of prevention.

The Bradford Pharmacists' Association recently made application to the newly formed local Food Control Committee for a better supply of sugar for medicines, but have been informed that the members will have to apply individually in the ordinary way. Saccharin has been selling freely by chemists for some time past. A shortage is suggested in some parts of the West Riding, but Bradford chemists have not, so far, had any serious difficulty in obtaining it.

Liverpool.

Mr. William P. Evans (President of the Liverpool Chemists' Association) is taking a short holiday.

Inquiries for more sugar in view of the approach of the syrup season are becoming urgent. Under the new "control" regulations delay is feared, as the official staffs have to be got into working order.

The overflow of the Hanover Street wholesalers is now made more evident by the sign just erected by Ayrton, Saunders & Co., on their branch in Duke Street. Hanover Street still awaits a British name.

Among the most active workers at the Welsh Eisteddfod held at Birkenhead were Mr. H. Humphreys Jones (Liverpool School of Pharmacy) and two Birkenhead pharmacists, Messrs. D. R. Rowlands and T. Stephen Jones.

Harry Virtue Siddons, charged on remand with acting as a doctor without qualification and with obtaining money by false pretences (see *C. & D.*, September 8, p. 35), was at Liverpool Police Court on September 7 committed for trial at the assizes, bail being refused.

Manchester.

Two pharmacists in South Manchester now close their establishments during the dinner-hour and at tea-time. Short staffs are responsible for this step.

Students who intend enrolling at the Municipal School of Technology for the classes in pharmaceuticals should note that those who do not join before October 1 will be charged an additional fee of 1s.

It is satisfactory to note that the excellent work done by two Manchester pharmacists, Messrs. Garnett and Grier, in connection with research-work on the pungent principle of ginger has been recognised by other investigators (*C. & D.*, September 8, p. 46).

A well-known pharmacist in the suburbs, who managed to get rid of nearly a load of empties for London and elsewhere the other day, was quite pleased at his good fortune. A few days afterwards, however, he received an account for 15s. He is wondering whether it would not be as well to confine his orders to local people.

Chemists have been rather puzzled as to what to do with the numerous "copies" of prescriptions that are going the rounds. Several of these are undoubtedly copies of Insurance prescriptions, "Mist. bismuth. cum soda 3viij." and "Mist. tonic. alk. 5vj." being most frequent. In several instances the 5j. sign for the quantity of potass. iodid. was written 5j.

The V.A.D. Section of the Manchester Chemists' Assistants' Association, notwithstanding the fact that forty-nine of its members have been called to the Colours, is doing excellent work at the Hartley Red Cross Hospital, South Manchester, where its services are highly appreciated. The Section performs the night duties at this hospital, the duties including bandaging and dressing. Help is also given at the railway station in the transportation of the wounded.

Miscellaneous.

SUMMER TIME ends on Monday, September 17, at 3 A.M., when clocks should be put back to 2 A.M. so as to indicate normal time.

TEA TO BE CONTROLLED.—The Food Controller is to take over the control of tea, the necessary supplies being imported by the Government and retailed through existing agencies, in much the same way as sugar is being dealt with.

FIRE.—On September 8, a fire occurred in the shop of Mr. J. G. Anderson, chemist and druggist, North Bar Street, Beverley. The outbreak is attributed to the fall of some chemicals from a shelf. The damage is covered by insurance.

ATTEMPTED SUICIDE.—At Hull Police Court on September 10, Charles Kellington, described as a druggist, charged on remand with attempted suicide (see *C. & D.*, September 8, p. 35), was discharged on promising not to repeat the offence.

WORTHLESS CHEQUE.—For obtaining 2*l.* from Mr. John James Spilman, chemist and druggist, Holderness Road, Hull, by means of a worthless cheque, T. R. Turner (19), who gave his address as Halifax and represented himself to Mr. Spilman as a wireless operator, was on September 11 sentenced to three months' imprisonment, in addition to a sentence of six months on another charge.

THEFT OF LINSEED OIL.—At the Thames Police Court, London, E., on September 8, Francis Towner, *alias* Frank Flowers, was sentenced to six months' hard labour on a charge of stealing and receiving linseed oil, valued at 400*l.*, the property of Owen Parry & Co., Ltd., Millwall. It was stated that eight drums and fifteen barrels of the oil had been recovered.

BOOKKEEPER'S DEFALCATION.—Thomas Cardwell (47), described as a bookkeeper and general assistant, was at Derby Police Court on September 11 convicted of embezzling the sum of 1*l.* 7*s.* 4*d.*, received by him on behalf of his employer, Mr. Thomas Mould Evans, chemist and druggist, Tenant Street, Derby. It was stated that the total amount in default is 130*l.* An offer of payment by monthly instalments was made by the defendant, but the Bench passed sentence of a month's hard labour.

POISONINGS.—The following cases have been reported during the past week: At an inquest held on September 5 on the body of Mr. Thomas Delahunty, Ph.C., Skerries (*C. & D.*, September 8, p. 39), Dr. Healy gave evidence to the effect that Mr. Delahunty had taken several small doses of strychnine to ease a temporary ailment, but in the aggregate had taken an overdose. The jury returned a verdict of death by misadventure.—At Battersea, Louisa Dean died from an irritant poison which had not been identified. Bottles containing camphor, acetic acid, and turpentine were found in her bedroom.—At an inquest on John Dwyer, Tipperary, evidence showed that the deceased took sulphuric acid in mistake for spirits.

PRELIMINARY EXAMINATIONS.—The President of the Board of Education has appointed a Secondary School Examinations Council to assist the Board in the co-ordination of the examinations—about a hundred in number—to which secondary schools now submit their pupils. The members of the Council will consist of persons nominated by the Oxford and Cambridge Schools Examination Board, Oxford Delegacy for Local Examinations, Cambridge Syndicate for Local Examinations, University of Bristol, University of Durham, University of London, Northern Universities Joint Matriculation Board, County Councils Association, Association of Municipal Corporations, Association of Education Committees, and the Teachers' Registration Council.

Irish News.

Brevities.

A fire occurred on September 7 at the premises of Davidson & Murray, chemists, 131 Mountpottinger Road, Belfast. The damage was slight.

During the week a Corporation official has visited the chemists' shops in Cork in order to get signatures for or against the proposed closing order for chemists' shops.

The death occurred last week of Captain H. A. G. Hadden, R.A.M.C., who was for many years compounder of medicines to the Wexford Board of Guardians.

Miss Dorothy I. Dobbin, M.B., B.Ch., daughter of Mr. William C. Dobbin, Ph.C., Belfast, has received an appointment from the War Office, and is about to take up hospital work at Southampton.

The Local Government Board have sanctioned a war bonus of 10*l.* a year to Mr. O'Sullivan, compounder of medicines in the Queenstown Dispensary district. The Guardians had granted a 20*l.* bonus.

In announcing new business-hours (9 A.M. to 9.30 P.M. daily, with half-holiday on Wednesdays, and Sundays 2 to 3 and 8 to 9), Mr. R. Andrew, Ph.C., Oldpark, Crumlin Road, Belfast, states that he has decided to make the change in view of the altered conditions of business, labour, and social life, as well as the interests of his employees and customers.

Writing to Omagh Guardians, Dr. D. F. Murnaghan complains that although it is now two months since the medicines for the Omagh workhouse and dispensary were ordered, they have not been supplied. The result is that there are practically no medicines to use. It was decided to ask the contractor to supply the medicines at once, otherwise they would be purchased and charged to his account.

Councillor J. J. Goggin, at the meeting of the Cork Corporation, drew attention to a payment of 3*l.* 3*s.* for 9 lb. of chloroform supplied by Fielding's Pharmacy. He wanted to know if this had been obtained for the purpose of putting the ratepayers to sleep while the rates were being raised to 13*s.* 9*d.* in the pound. The Chairman explained that the chloroform is used at the dogs' home, and that half an ounce of chloroform is used to kill a dog.

Scottish News.

Brevities.

Pharmacists are experimenting on substitutes for sugar and glycerin in proprietary cough-mixtures and skin-lotions.

The prevailing counter charges for medicine-bottles are: up to 1½-oz., 1½*d.*; from 1½-oz. to 4-oz., 2*d.*; 6-oz. and 8-oz., 2½*d.* or 3*d.*

Large stocks of eucalyptus oil are being ordered in view of winter requirements and the probability of the Australian supply being stopped or restricted.

The changing season is reflected in the windows of most pharmacies in the transformation from summer requisites to the more sombre cough and cold remedies.

The question of wages for qualified managers and assistants is assuming a distinctly progressive form. There is no doubt, writes our correspondent, that qualified chemists are in the majority of cases underpaid, and there are no war bonuses for them. The minimum wages suggested are 4*l.* per week for a qualified assistant and 6*l.* per week for a manager. These sums fall considerably short in value of the pre-war 2*l.* and 3*l.* There is talk of a new union on the old N.U.A.P. lines.

The Universal Price-list.

It was recently reported in the *C. & D.* that a universal retail price-list for Scotland was under consideration. The Trade Section of the Glasgow and West of Scotland and affiliated Associations have now got the matter in hand. Aberdeen and other Associations have agreed to co-operate, and rough proofs of the list have been sent out to local Association Secretaries. The proposed list is a minimum, and it is left to local Committees or individuals to charge higher when necessary. Revision of the list will take place monthly. The list is being prepared to meet more closely the views and needs of Scottish retail chemists.

Dundee.

Notice has been given to shopkeepers that the police are to enforce the same lighting restrictions as obtained last year.

Major Kerr, M.B., C.M., R.A.M.C., who has been mentioned in despatches, is a well-known doctor, and a son of the late Mr. Charles Kerr, Ph.C., Dundee.

Edinburgh.

"Pulv. amyli, May's" was an item on an invoice sent out by a wholesale house recently.

Chemists in Edinburgh and Leith will close all day on Monday, September 17, the autumn holiday.

Several chemists will not renew their methylated-spirit licences next month. S.V.M. sales have been falling off for a long time.

A local firm of methylators has no spirit to offer for several weeks. Thereafter orders will be proportionately attended to in rotation.

Chemists are making application for sugar for manufacturing-purposes. It is expected that the supplies granted will be in proportion to the amount purchased in 1915.

A controversy concerning the physiological effects of saccharin is being waged locally. One writer says his chemist assured him the substance was harmless; but apparently he desires to "mak' siccar."

Locally this year seems to have been a record one for the sale of photographic films, and most retailers have found themselves occasionally out of stock. Plates still sell, but very slowly, and a similar remark is true of P.O.P.

Glasgow.

A Glasgow druggist announces in his window: "Cod-liver oil purchased."

On a window-ledge of the flat in Trongate occupied by the Corporation Lighting Department stands, appropriately, a pot-plant of raminé, one of the species from which fibre is woven for use in incandescent gas-mantles. It belongs to the *Urticaceæ*.

Colonial and Foreign News.

JAPANESE DYESTUFFS DEVELOPMENTS.—The leading chemical merchants in Osaka have organised a combine under the name of Kokuryukwai to regulate the dyestuff-market. This has been greatly extended by the formation of the Naigai Chemical Trading Co., Ltd., with a capital of a million yen.

BUSINESS CHANGE.—J. Henderson & Co., dispensing chemists, Peking, have opened a pharmacy in Tientsin, which in future will be their headquarters. The premises were formerly occupied by Betines & Co., the German Pharmacy, who have cleared out of the British Concession to their own.

AMERICAN RED CROSS SUPPLIES.—Thirty tons of ether, the largest shipment yet made to Europe by the United States, has been shipped by the American Red Cross supply service. In all 762 tons of surgical dressings and hospital garments have been released from warehouses to meet the growing demand in Europe.

THE MEYER BROTHERS' DRUG CO., St. Louis, send us a copy of a souvenir pamphlet issued on the occasion of their sixty-fifth anniversary. A short history of the house since it was founded in 1852 by the late Christian F. G. Meyer is given, together with a portrait of the founder and illustrations of the present offices and main buildings of the company.

MEDICINES AND CHEMICALS FOR RUSSIA.—A Russian Customs Department circular lays down detailed instructions for the submission of pharmaceutical products for import, and defines the terms used in classification.—A decree of the Minister of Commerce adds barium chloride to the list of substances that may be imported duty free for use against agricultural pests.

MEDICINAL ALCOHOL IN PRESCRIPTIONS.—The Norwegian "Morgenbladet" quotes from the organ of the Norwegian Medical Union, which deplores the practice of a certain number of physicians, who prescribe alcohol as an ingredient in medicine without due cause. One instance is mentioned of a doctor in Christiania, who, in a period of 1½ months, wrote 550 prescriptions containing alcohol.

ARGENTINE IMPORTS.—New regulations for the importation of pharmaceutical and toilet preparations from Spain provide for the submission of the complete formula, together with a fee of 1 peseta, in each case; without such registration goods are liable to be confiscated as secret remedies. The National Department of Hygiene undertakes analysis of samples on a sliding scale ranging from 5 to 200 pesetas, and demands compliance with certain formalities in description.

French News.

(From the "C. & D." Paris Correspondent.)

THE MONTENEGRINS' REFUGEE COMMITTEE, 14 Rue Montrosier, Neuilly-sur-Seine, has issued in English an appeal for donations. The money is to be devoted to the purchase of food for refugees from Montenegro, who are in a starving condition.

FEMALE PHARMACY-WORKERS.—The recent agitation among female pharmacy-workers has resulted in a mutual agreement between masters and workers. The "Pharmaceutical Accessories Workwomen and Lady Druggists" ("Dames Droguistes"), to give them their Union titles, have been accorded a minimum wage of 50c. per hour, 30f. a month extra to meet the increased cost of living (reduced to 15f. for girls under eighteen), a penny extra an hour all round, and a Saturday "half-holiday" to commence at 4 P.M.

REGULATING PATENT MEDICINES.—M. Léger has drawn up a report (approved by the Committee appointed by the Academy of Medicine) on the regulation of proprietary medicines. He was to have presented this at the last meeting of the Academy, but the Pharmaceutical Manufacturers' Association demanded that a deputation of its members should be received by the Committee before the report was presented. A discussion was raised on this point, M. Hayem (President of the Academy) and M. Hanriot urged that the Academy had only to study the question from the medical point of view, and had nothing to do with manufacturers' interests. M. Galippe demurred, as he said manufacturing interests become national interests when German and other foreign competition had to be considered. Professor Pouchet saw no objection to receiving a delegation. If the Academy refused, it would lay itself open to the charge of not having thoroughly considered all sides of the question. The meeting agreed with this view, and the report was sent back to the Committee in order that this body might hear and consider the manufacturers' criticisms.

PERSONAL ITEMS.—M. A. Michel, President of the Wholesale Druggists' Association, is in mourning for his son René, "fallen on the field of honour."—M. Calixte Crinon, whose services to French pharmacy need hardly be recapitulated, has just published a half-crown volume of commentaries on the new Poisonous Drugs Act, which is substantially a reprint of the articles on the subject that he contributed to the "Répertoire de Pharmacie."—Principal-Pharmacist Gaillard, who was present at the July meeting of the Paris Society of Pharmacy during his brief sojourn in Paris, is in peace-time Professor at the Val-de-Grâce Military Hospital. His two sons have just been cited in Orders of the Day; one (an aviator) for having gone to the help of a balloon attacked by five enemy machines.—M. Julien Lefebvre, pharmacist at Aniche (Nord), M. Henri Fournier, M. Léon Schmitt, and M. Joseph Jacquey, mobilised as pharmacists, have been mentioned for gallant conduct in ambulances under fire, and for devotion in carrying off wounded comrades.—M. André Lenoir, of the Rue de Passy, Paris, has also been mentioned. He defended his car against the enemy, several of whom he killed.—MM. Audille, Chassé, and Mazel, pharmacists, have been awarded the War Cross, in addition to M. Legier, ex-interne at the Lariboisière Hospital, and M. Repiton, a "stagiaire," who is barely twenty, and now commands a section of an artillery battery.—M. Roques (son of M. Fernand Roques) brought down a German monoplane last April, and has been mentioned in Army Corps Orders.—Dr. Pouyaud, of Périgueux, also "cited," is Vice-President of the Dordogne Pharmacists' Association.

Business Changes.

FRANCIS NEWBERRY & SONS, LTD., 27-28 Charterhouse Square, London, E.C., have acquired the business of Frank Newbery, Ltd., Reading.

MR. T. O. OWENS, pharmacist and optician, 126 Oldham Road, Miles Platting, Manchester, has taken additional premises next door for conversion into sight-testing rooms, etc.

TURKISH OTTO OF ROSE.—The Bulgarian "Utro" (July 30) is informed from Constantinople that the yield of otto is very unsatisfactory. This year, instead of roses, wheat and vegetables were cultivated. Since the beginning of the war the price of one kilo. of otto of rose has risen from 1,200kr. to 3,000kr. and 4,000kr. A further rise is expected.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

PEDESTROS, LTD. (P.C.).—Objects: To carry on business as merchants, manufacturers, shippers, agents, general and electrical engineers, surgical and dental instrument makers, artificial-limb manufacturers, etc. R.O., 1 Higham Road, Chesham.

CHEMICAL ENGINEERING AND WILTONS PATENT FURNACE CO., LTD. (P.C.).—Capital 20,000*l*. Objects: To take over the business formerly carried on at Hendon by T. Wilton and G. Wilton as the Chemical Engineering Co. and Wilton's Patent Furnace Co. R.O., Hendon, London, N.W. 4.

SAPON SOAPS, LTD.—Capital 200,000*l*. Objects: To acquire the business of Sapon, Ltd. (incorporated in 1900), to carry on the business of manufactures of "Sapon" and/or cereal soaps, soap boilers, candle makers, manufacturers, refiners, preparers, importers, exporters, and brokers of and wholesale and retail dealers in soap, cleansers, detergents, bleaching-powders, disinfectants, starch, water-softeners, soda, glycerin, oils, unguents, etc. R.O., 24-5 King William Street, London, E.C.

LEMBCKE, VON BERNUTH CO., INCORPORATED.—Registered in U.S.A., 1907. Business: Importers, exporters, and manufacturers of and dealers in acids, oils, extracts, chemicals, etc. British address: 4 Lloyd's Avenue, E.C., where L. W. Rockwell (commercial manager) is authorised to accept service. The directors are O. M. von Bernuth (American born), G. A. Lembcke (American by naturalisation, formerly Venezuelan), and G. Thomson (American born), all of New York. A. Lange, a German subject, was formerly a director at the London office, but he was "drafted by the German army," and left London on the outbreak of war in Europe, relinquishing his directorship.

ALLEN & HANBURYS, LTD.—The recent issue of 55,000 6 per cent. cumulative C preference shares of 1*l*. each in this company has been considerably over-subscribed. The list opened on September 3 and closed on September 8, with the very satisfactory result mentioned above.

COMPANIES WHICH MAY BE WOUND UP.—Three months from September 7 the names of the undermentioned companies will, unless cause is shown to the contrary, be struck off the Register, and the companies will be dissolved: Crown Mineral Water Works, Ltd.; Dodd's Drug Stores, Ltd.; London Oxide Co., Ltd.; Marshall's Drug Stores, Ltd.; Medical Publishing Co., Ltd.; and Tyler's Drug Stores, Ltd.

B. LAPORTE, LTD.—The accounts for the year ended June 30 show (after transferring to reserve a sum representing the usual 10 per cent. of profits adjusted for proportions of excess-profits duty chargeable against reserve account, and after charging depreciation, debenture interest, etc.) a profit of 9,887*l*.; brought forward, 5,337*l*. Interim dividends on the ordinary and deferred shares at the rate of 10 per cent. per annum have been paid. Final dividends on ordinary and deferred shares at the rate of 37½ per cent. per annum (less the interim dividends) are recommended, carrying forward 7,172*l*. (subject to excess-profits duty, 1916-17, and directors' remuneration).

PHILLIPS & Co., LTD., Bombay.—The annual meeting was held in Bombay on August 8. Mr. R. D. Hughes presided, and, in moving the adoption of the report, said nobody regretted more than he the loss made by the company during the past year. Mr. Bhandarker proposed an amendment that the meeting should be adjourned *sine die*, as he contended the balance-sheet was not in accordance with the articles of association, and was nearly six months old. After discussion this amendment was lost, and eventually the original proposition, declaring a dividend at the rate of 8½ per cent., was adopted.

PAINE & Co., LTD., St. Neots.—The directors in their report for the period from May 31, 1916, to May 12, 1917 (on which date the balance-sheet was prepared by order of the Controller of Food, who took over Bedford Street flour-mill as from May 1 last), state that after charging 10,615*l*. for excess-profits duty, and writing the freehold properties down by 550*l*., the balance of net profit for the period is 7,634*l*., which, added to 6,793*l*. brought forward from the last financial year, shows 14,427*l*. available for distribution, etc. The directors recommend the payment of a dividend on the ordinary shares of 12½ per cent., less income-tax; 4,500*l*. to be added to reserve, thus raising it to the amount of the item for goodwill and trade-marks, 12,000*l*.; and that the balance be carried forward.

The London Salon of Photography

has been successful in securing some four hundred pictures of really artistic quality for exhibition at the Gallery of the Royal Society of Painters in Water Colours, 5a Pall Mall East, London, W. There is not much landscape and architecture work, owing to the restrictions on the use of cameras, but the portrait and figure subjects are of interest. Delicate prints in a high key, full of gradation, give some of the happiest results. Of these may be noted No. 48, a child's portrait; also Nos. 205, 208, and 211. A portrait-study in the manner of Rembrandt is No. 308, and a group of mother and daughter (No. 71) is excellent in feeling. The few architectural subjects include No. 59, a colour print by Geo. Hiddersley, in which the colour tones are good. No. 340, an Interior of Winchester Cathedral, is also worth noting. Pitched in a low key are some very decorative landscapes—Nos. 40, 53, and 171. The effects have evidently been obtained by patient waiting, as there is no trace of false values. The compositions are simple and dignified. A landscape which recalls the style of Corot is No. 134, by John M. Whitehead. Popular subjects are represented by a series of "War Types" by E. J. Mortimer, picturing a soldier on leave, a wounded Tommy, a bus-conductress, and others. Engineer-Commander Mowlam has been successful in getting a couple of excellent "Navy" subjects—No. 56, "A Destroyer on Patrol Duty"; and No. 234, "A Battleship in a Rough Sea." There are a few good snow scenes and some winter views in Pittsburg. Effects of light provide an ever-present problem, happily solved in many of the pictures, of which may be mentioned No. 87, a landscape showing rays of light falling amid the delicate foliage of beech-trees; and No. 147, "Dickie's Breakfast"—a study of children feeding a canary. Pictures in which the figure-plays a part show that the treatment of the nude in photographic art is improving. There is a sense of the spirit, and less of the material, in several. The Earl of Carnarvon has a study of a really beautiful model; and in No. 146 Mr. Arthur Kales shows what can be achieved by good posing and suitable surroundings. Colour work is not much in evidence, and though it shows feeling, the general result is hardly as satisfactory as that of the monochromes. The exhibitors are giving the greater part of the results of sales to the funds of the British Red Cross Society. The Exhibition opens to the public on September 14.

Practical Notes and Formulas.

Benedict's Test for Sugar in Urine.

THIS solution for qualitative work, recommended by Dr. P. J. Cammidge as a test for sugar in the urine ("Lancet," II., 1917, p. 24), is prepared as follows:

A. Sodium or potassium citrate	173 grams
Sodium carbonate, anhydrous	100 grams
Distilled water	700 c.c.

Dissolve by the aid of heat.

B. Copper sulphate, pure	17.3 grams
Distilled water	100 c.c.

Cool the solutions to the room temperature, and pour B into A, slowly and with constant stirring. Make up to 1,000 c.c. with distilled water.

Glycerin as an Antiseptic.

REFERRING to the paper in the "British Medical Journal" (see C. & D., May 26, p. 43) in which the antiseptic properties of glycerin are doubted, Mr. George Lunan, F.C.S., Ph.C., writes to our medical contemporary to point out that "glycerin of boric acid" is not really a glycerin of boric acid, but a glycerin of glyceryl borate. In view of the proposal to eliminate it from the B.P. on account of the want of added antiseptic power from the glycerin solvent property, it would, he writes, be well to bear in mind its chemical composition and its consequent therapeutic properties when applied to mucous surfaces. Glycerin of glyceryl borate is decomposed into glycerin and nascent boric acid, which from concentration is precipitated, and in contact with albuminous surfaces yields the at least partial colloidal activity of the antiseptic. By no other solvent means can this be attained when exhibited in a throat-paint. While not disputing the relative potency of boric acid as an antiseptic when dissolved in comparatively weak solutions of water or glycerin, it should be borne in mind that the formula for glycerin of boric acid in the B.P. is constructed for the special purpose of the reaction, and this entirely nullifies theoretic antiseptic values for germicidal purposes.

Births.

BEGGS.—At the Pharmacy and Medical Hall, Dalkey, co. Dublin, on September 6, the wife of Herbert T. Beggs, Ph.C., of a daughter.

CORRALL.—At 2A Westmoreland Road, London, S.E. 17, on September 8, the wife of George F. Corrall, chemist and druggist, of a son.

PAYNE.—At the Pharmacy, Old Leake, on September 7, the wife of G. H. Spencer Payne, Ph.C., of a daughter (Eileen Melegueta).

Marriages.

HENSHAW—ADAMS.—At St. John's Hill Wesleyan Church, Shrewsbury, on August 30, by the Rev. J. Gilbert, Joseph E. Henshaw, chemist and druggist, Wyle Cop, Shrewsbury, to Edith May, elder daughter of Mr. and Mrs. Adams, Marysville, Shrewsbury.

McGONIGAL—KYD.—At Broughty Ferry Parish Church, on September 5, George Calvert McGonigal, pharmacist, Carnoustie, to Alexandra Margaret (Maude), younger daughter of the late James Kyd, inspector and clerk to Edinburgh Parish Council, and of Mrs. Kyd, Viewforth, Carnoustie.

Deaths.

ARCHER.—At Oxford Street, Guiseley, recently, Mr. Joseph Sykes Archer, chemist and druggist, aged seventy-eight. Mr. Archer was a native of Clayton West, Huddersfield, and had been in business as a pharmacist at Guiseley for over half a century. He was remarkably healthy, and was at business as usual until a few hours before his death. He is survived by a widow, three sons, and four daughters.

BAEYER.—At Munich, recently, Professor Adolf von Baeyer, aged eighty-one. He was well known as one of the chief organic chemists in Germany and a founder of the aniline-dye industry in that country. His researches on the synthesis of indigo began in 1865, and when these culminated in the production of indigo in the laboratory the patents were sold to commercial bodies, who further worked out the method of manufacture on a large scale. It was in 1875 that Baeyer succeeded Liebig in the Chair of Chemistry at Munich, and up till recently he continued to deliver lectures at the Chemisches Institut of the University. The "Times" states that there is reason to believe that Baeyer viewed with disfavour and apprehension the rise of the Prussian military party to power.

BROWN.—At Brigg, on September 3, Mr. George Brown, chemist and druggist, aged sixty-seven.

EASTICK.—At a London nursing home, on September 7, Mr. John Joseph Eastick, F.I.C., 2 St. Dunstan's Hill, London, E.C., aged sixty-two. Mr. Eastick was son-in-law of the late B. E. Newlands, the sugar expert, and succeeded to his consulting practice in London. He was a persistent advocate of the policy of Empire-grown sugar. An original member of the Society of Chemical Industry, he was well known at the meetings of the London Section, at which he often spoke.

EYRES.—At 73 Winter Road, E. Southsea, on September 10, Mr. John Eyres, retired chemist and druggist, aged seventy-seven. Mr. Eyres was the father of Mr. J. E. Eyres, chemist and druggist, Albert Road, Southsea, and for many years carried on business at a pharmacy, since closed, in St. James's Road.

Died on Service.

CARTER.—Gunner Cyril Carter, Royal Garrison Artillery, has been killed in action. Before joining the Army he had for six years been with Taylor's Drug Co., Ltd., Ripon.

COMYNS.—News has been received by Mr. J. R. Comyns, chemist and druggist, High Street, Carshalton, that his eldest son has been killed in action in France. Mr. Comyns, jun., was a young man of great promise, and very popular in the town.

FORTH.—Second-Lieutenant William Vaughan Forth, South African Infantry, who has been reported missing since April 12, and is now officially reported killed on that date, was the third son of the late C. E. Forth, a well-known pharmacist of Durban, and one of the founders of the Natal Pharmaceutical Society. Second-Lieutenant Forth was twenty-four years of age, and was educated at Durban High School and Hilton College. He saw ser-

vico in German South-West Africa, and then with the South African Infantry in Egypt, and at the conclusion of operations against the Senussi he went to another Front, where he was wounded, but returned shortly afterwards to active service. His C.O. writes: "I cannot tell you how much we all miss the lion-hearted, bright boy, and his action in going forward as he did with a handful of men into almost certain death was beyond all praise."

HARRISON.—Private James Harrison, Worcestershire Regiment, died on August 26 of wounds received in action, aged twenty. Prior to his enlistment in November 1915, Private Harrison was with Joseph Crosfield & Sons, Ltd., Warrington. He was a native of Blackburn.

HESKETH.—At Woodbridge, recently, after a seven weeks' illness, Corporal C. F. Hesketh, R.A.M.C., aged forty-seven. Corporal Hesketh was formerly a chemist in India, and a member of the Bombay Volunteer Artillery. On the outbreak of war he was attached to the V.A.D., and subsequently went to the Dardanelles. The funeral took place on September 3, with military honours.

MABEN.—Private W. A. Maben, King's Shropshire Light Infantry, was killed in France recently. Private Maben, who was the eldest son of Mr. T. Maben, of Parke, Davis & Co., was for five years accountant and cashier with J. & J. Hopkinson, piano-manufacturers, London. He attested under the Derby scheme, and when called up had the option of joining a non-combatant unit, but, being classed A1, he felt it his duty to enter the fighting ranks. He left England for France, and was killed exactly one month later, after being five days in the trenches. He was thirty-three years of age, and leaves a widow and one son.

ROTHWELL.—Private N. A. Rothwell has been killed in action, aged twenty-four. Prior to his enlistment two years ago, Private Rothwell was with Levinstein, Ltd., manufacturing chemists, Crumpsall Vale, Manchester.

SPENCER.—Sergeant H. Spencer, King's (Liverpool Regiment) has fallen in action. Prior to his enlistment in September 1914 Sergeant Spencer was an assistant with Boots, Ltd., Liverpool.

WARWICK.—Corporal William Neville Warwick, Royal Irish Rifles, only son of Mr. C. Warwick, Ailsa, Larne, co. Antrim, was killed in action on August 6. After serving his apprenticeship with his uncle, Mr. A. E. Hobbs, Ph.C., Tunbridge Wells, Corporal Warwick passed both the Minor and the Major examinations, and subsequently had three years' pharmacy experience in South Africa. He enlisted on his return home, and went out to the Front last March.

Personalities.

MR. GEORGE TURTON GREEN, chemist and druggist, an ex-Mayor and a Borough Magistrate of Henley, has been appointed a Justice of the Peace for the County of Oxford.

MR. FRANCIS R. L. NEWBERRY, managing director of Francis Newbery & Sons, Ltd., Charterhouse Square, London, E.C., is the representative member for druggists' sundries in the Rotary Club.

MR. HERBERT W. COLLEY, chemist and druggist, Cleethorpe Road, Grimsby, has been elected Vice-Chairman of the Finance and General Purposes Sub-Committee of the Grimsby Insurance Committee.

THE PHARMACISTS appointed members of their respective local Food Control Committees include the following: Messrs. J. Hannah, Abergelge; W. G. Roberts, Llanfairfechan; J. Thomas, Machynlleth; and W. H. Grimshaw, Darwen Street, Blackburn.

MR. P. F. ROWSELL, J.P., pharmacist, Exmouth, has been elected Chairman of the Devon Insurance Committee for the ensuing twelve months. Mr. Rowsell has had considerable experience of the working of the Insurance scheme, and has earned high praise as Chairman of the local Sanatorium and Medical Benefit Sub-Committee.

COUNCILLOR WILLIAM BRIGGS, J.P., has been unanimously chosen by the Lancaster Town Council for the position of Mayor for the coming year. Councillor Briggs, who was formerly in business as a chemist, has for the past twelve years been actively associated with public affairs in Lancaster, and is now Mayor-elect for the fifth year in succession.

COUNCILLOR W. H. GRIMSHAW, chemist and druggist, Darwen Street and Enam, Blackburn, a former President of the North-East Lancashire Chemists' Association, has been appointed as representative of the Corporation on the Blackburn Insurance Committee, much to the satisfaction of the trade in general. Mr. Grimshaw has been connected with the Association from its inception.

Trade Notes.

SAFETY RAZORS.—Rowland Hodges, Ltd., Birmingham, whose advertisement appears in this issue, are the largest makers of safety razors in this country.

NEW SEASON'S EXTRACTS.—Baiss Bros. & Co., Ltd., 174-176 Grange Road, Bermondsey, London, S.E. 1, call attention to the excellent quality of the new season's extracts of belladonna and henbane. Samples and prices will be forwarded on application.

WINTER FOODS.—Ayrton, Saunders & Co., Ltd., Liverpool, referring to their advertisement in this issue, inform us that they are in a position to give prompt deliveries of cod-liver-oil emulsion and malt and oil, the quality of these preparations being in no way inferior to what it was in pre-bellum times.

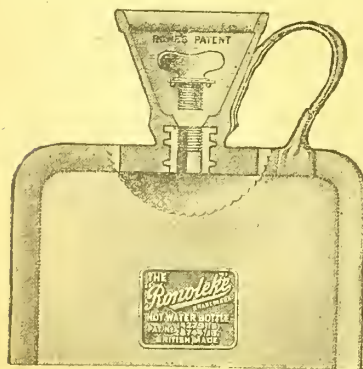
TATCHO is to be in increasing demand within the next few months, owing to a new advertising campaign which has just begun. Steps are also being taken to place this toilet-article on the protected list of the Proprietary Articles Trade Association. The Geo. R. Sims Hair Restorer Co., 5 Great Queen Street, Kingsway, London, W.C. 2, are the proprietors of Tatcho.

VELPADS.—Mr. H. A. Wanklyn, 17 Manchester Avenue, London, E.C., sends us samples of a new article of commerce which he has produced, known as velpads. These are a special kind of flat rubber sponges, made in two sizes, and used for the toilet and as complexion-pads. Velpads are sponge colour, and the texture is as fine as Turkey sponge. Mr. Wanklyn suggests that velpads are the nearest thing to Turkey sponges, which are now very dear and likely to remain so for some time.

NASAL ASEPTOIDS.—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., send us a sample of nasal co. aseptoids—Dr. Maenaughton Jones's formula—without cocaine. Each aseptoid contains sodium chloride gr. $\frac{1}{10}$, sodium bichlorate gr. $\frac{1}{10}$, menthol gr. $\frac{1}{10}$, thymol gr. $\frac{1}{10}$, ol. gaultheriae $\frac{1}{10}$, with boric acid and sodium benzoate. The aseptoids are in the form of cubes, and not being prepared by compression, are readily soluble. It is claimed also that the shape renders aseptoids less likely to be mistaken for internal remedies. The nasal aseptoids are sold in bottles of one gross.

BOVRIL BONUS.—Bovril, Ltd., 143-166 Old Street, London, E.C., announced in our advertising pages last week that they intend again offering a 5-per-cent. cash bonus on the gross value of all orders for bovril received up to October 31. It is not proposed, owing to the limitation on the issuing of circulars, to send out particulars of the scheme to traders, but the same plan will be followed as last year, except that the date for the commencement is September 10. Window-bills will be sent out in about a fortnight's time to all retailers who last year bought bovril under bonus conditions. It is interesting to note that bovril is one of the foods that have not advanced in price, although beef costs much more now than before the war. This is a point the public will appreciate if it is put to them.

RONOLEKE HOT-WATER BOTTLES.—Campbell, Aehnach & Co., Ltd., Thistle Rubber Mills, Glasgow, have placed



before us the advantages of the Ronoleke hot-water bottles. The special feature of the bottles is the stopper, made by the Rowe patents, which prevents the troublesome leakage which often develops at the stoppers of hot-water bottles. The metal screw stopper in the Rowe patent engages with a rubber flange at the base of the funnel, and as this rubber is $\frac{1}{8}$ in. thick, it is claimed that it is more effectual and more durable than a loose washer. Other points about the bottle are that the rubber funnel is so shaped that no water is left round the stopper, and the metal flange of the stopper-socket is fitted with projecting lugs, so that it cannot become loose or revolve from the action of tightening or removing the screw top. The illustration shows the features to which we have referred.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," September 5, 1917.)

- "ALIZARINE BLUE DELPHINOL BRAND"; for coal-tar colours (mineral) (1). By British Dyes, Ltd., Turnbridge Chemical Works, St. Andrew's Road, Huddersfield. 377,458.
- Inverted spade device; for a chemical preparation (2). By Standardised Disinfectants Co., Ltd., 26 Billiter Buildings, London, E.C. 3. 377,069.
- "FROG" under frog device; for chemical substances (2). By C. H. Parsons & Brother, Ltd., Castle Soap Works, Ashby-de-la-Zouch. 378,935.
- "ACETYL-SALICYLIC ACID ASPIROL BRAND"; for acetyl-salicylic acid (3). By British Dyes, Ltd., Turnbridge Chemical Works, St. Andrew's Road, Huddersfield. 377,146.
- "MEDICINAL SALTS REZZA BRAND"; for medicinal salts (3). By Hough, Hoscason & Co., Ltd., Manchester. 377,427.
- "TELEGRAPH," with telegraph-pole device; for medicated soap (3). By William Gossage & Sons, Ltd., Widnes. 378,566. (Associated.)
- "PHENACETIN, BECOL BRAND"; for chemical substances (3). By The Bradford Wool Extracting Co., Ltd., Pit Lane Mills, Bradford. 378,788.
- "ALCOHOLISM REMEDY, DIPSOVIN BRAND"; for chemical substances (3). By Sidney Francis Body, 167 High Street, Southend-on-Sea. 379,070.
- "CHIEF"; for substances in class (4). By John Sibbald, trading as Sibbald, Deans & Co., 137 West Regent Street, Glasgow. 378,530.
- "HELVETIA" over device of seated female figure; for food-substances (42). By Maurice Constant Steinmau, 34 Fenchurch Street, London, E.C. 3. 378,548.
- "SACCHARAL" (Class 42). By Graham, Son & Hay, 36 Dale Street, Liverpool. 378,682.
- "DIANA"; for lactic acid (42). By Gerald James Walter McDonald, trading as Gerald McDonald & Co., 9 Botolph Lane, Eastcheap, E.C. 3. 378,930.
- "ANGEL" in script; for refined oil for use as food (42). By British Vegetable Oil Extraction Corporation, Ltd., 11 Pancras Lane, London, E.C. 4. 379,023.
- "SAPOCETI"; for perfumery, etc. (48). By Société Guclrain, 68 Avenue des Champs Elysées, Paris. 378,784.
- "LANOCETIN"; for toilet-preparations (48). By Charles Francke, 7 Huddleston Road, Tufnell Park, London, N. 7. 378,869.
- "FLUTE" and device; for perfumery (48). By Christopher Thomas & Bros., Ltd., Broad Plain Soap Works, Bristol. 378,906. (Associated.)
- "JONTEEL"; for perfumery, etc. (48). By United Drug Co., 114 Oldhall Street, Liverpool. 379,022.
- "TOPEE" and device; for perfumery, etc. (48). By Charles Cowan Goodwin, trading as C. W. Goodwin & Son, Ordsall Lane Soap Works, Manchester. 379,245.

(From "The Trade-marks Journal," September 12, 1917.)

- "DIANA"; for chemicals (1). By G. McDonald & Co., 9 Botolph Lane, Eastcheap, E.C. 3. 378,896.
- "PARACHUTE," for chemicals (2 and 3); "TURBAN," for goods (47). By C. Thomas & Bros., Ltd., Bristol. 378,963/964/474.
- "WHITE SPARROW"; for all goods (3). By J. Mellie & Co., High Street, Prestonpans, Scotland. 378,985.
- "APERIENT MEDICINE PURGOLAX BRAND"; for medicines (3). By S. F. Body, 167 High Street, Southend-on-Sea. 379,069.
- "TOWER" under device of three towers; for glycerin (4). By Hazlehurst & Sons, Ltd., 17 Highfield Street, Liverpool. 377,582.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

125/63. "Dolabelle" shoulder-strap.	127/7. Machinery for making compressed face-powder: makers.
127/45. Princes' marking-ink.	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

- | | |
|--------------------------------------|---|
| Aymard's steriliser, 127/9 | "Santal Midy" capsules, 122/45 |
| "Chloramine," 129/16 | Seeger's hair-dye, 95/73 |
| "Cocolax," 124/72 | Stearns' "Kasagra," 89/74 |
| Hudnut's preparations: agents, 86/54 | Synthetic indigo, 111/67 |
| "Jotoline," marking-ink, 130/7 | Tablet-making machinery (hand-power), 99/21 |
| Liebig's chemical food, 77/3 | "Terrol," 89/71 |
| Limone, 114/38 | Thymo-cresol, 89/17 |
| "Listerine," 82/53 | "Tommy" ear-drum protector, 109/2 |
| "Ruby" worm-capsules for dogs, 91/44 | Vacuum flasks, 108/35 |
| "Suluric" salts, 112/36 | "Valda" pastilles, 104/19 |
| "Sanoid" tablets, 102/38 | "Virettes," 90/24 |

Observations and Reflections.

By Xrayser II.

The Problem of Doing without Germany

is one which it is well for us to face, and which we are facing with increasing intelligence, but it is one that will in all probability be resolved by another that is confronting Germany herself. For the saner Germans are already beginning to ask how they can do without us, and it is certain that neither we nor they can without great loss—and all the greater because it will be a mutual loss—abandon all dealings with each other. It has been noted in the German Press that the Pope in his recent peace proposals said nothing about the economic war that has been predicted as sure to follow the present military strife, and the comments made upon this abstention show an uneasy feeling with regard to the future relations of Germany with us and our Allies. President Wilson's hint that the attitude of the Allies to Germany will depend entirely upon her good behaviour has also, if some permitted if not inspired utterances may be trusted, gone home to the German intelligence. It is beginning to be realised all over Germany that she is in danger of a world-boycott, and the possibility is causing alarm. There is here some ground for hope of a satisfactory peace—a better ground, it seems, than our measure of military success has yet given us; and if peace should ensue on this ground it will be doubly welcome as having been brought about only mediately by armed force, but primarily by the realised necessity of international co-operation and good will.

May I Suggest to Mr. James Mackenzie

that his prolonged good health and genial activity are probably due as much at least to his hobbies as to his total abstinence? Temperance is no doubt one of the secrets of health, but something more positive than mere abstinence would seem to be implied in so vigorous an old age as his, and I suggest that, in spite of his teetotalism, he owes a good deal to that "old wine of the gods," poetry, of which he confesses to have drunk so freely. In this he is not singular. Good literature has few equals as a means of healing and refreshment.

Hence have I genial seasons, hence have I Smooth passions, smooth discourse, and joyous thought. But I want especially to ask Mr. Mackenzie what conclusion he has come to as the result of his study of Michael Bruce with regard to the authorship of the ode to the cuckoo, beginning "Hail, beauteous stranger of the grove!" which Burke said was the loveliest of English lyrics. A good many years ago the rival claims of Bruce and his friend Logan were fiercely discussed in "Notes and Queries." Only one voice was at all effectively raised for Bruce, and the balance of probability seemed to me heavily on the side of Logan. The disputants were nearly all Scots.

The Meeting at Anderton's Hotel

on September 25, to consider the desirability of presenting a memorial to the Insurance Commissioners on the subject of Tariff revision for 1918, ought to be attended by every panel chemist in the London area, if that were possible. The present situation is intolerable, as the following statement, which I have from an authoritative source, will show. About a month ago it was unanimously determined by a meeting of over 300 London pharmacists to disavow the fee proposed by the Local Associations Executive and demand a higher one. A member of the meeting was elected as a delegate to present this claim. The very next day, says my informant, at an official meeting of delegates from the Pharmaceutical Committees, this resolution was "turned down by the backwash" from districts outside of the London area, the chemists represented by the majority of voters on that occasion being about 350, while those represented by the minority numbered more than 3,000. That a

result so obtained should be permanently accepted is unthinkable, and the most strenuous effort must be made to overrule it.

Dr. W. H. Symons,

whose death you recorded in the *C. & D.*, was one of a little band of brilliant pharmacists who gave up pharmacy for medicine. I recall other three names, Plowman, Thresh, and Luff, all of whom about the same time took medical qualifications and became lost to pharmacy, though as a professor in Australia, I believe, Plowman still adorns the teaching side of the craft. I knew Symons quite well, and though I have not seen him for many years, we occasionally corresponded. His last letter to me, written some two years ago, bore traces of impatience with the old municipal stages who are so difficult to inoculate with new ideas. In his eagerness to introduce public health reforms and his characteristic lack of reverence for the old notions simply because they were old, he may have raised up opposition, where a man with more of the *suaviter in modo* might have attained his end without any friction. He had a fine sphere in Bath, and he took immense pride in the old city; and his work there has been brought to an untimely end by his early death. As a pharmacist he leaped more to the scientific side than the practical.

The Medicinal Uses of Silver

are not referred to in the notices I have seen of Mr. Benjamin White's recently published work "Silver: Its History and Romance"; and indeed they have never, except as regards the nitrate, been of very great importance. Avicenna was, I believe, the first to give silver internally; and although its tincture, known as *Tinctura Lunæ*, obtained a great vogue in the sixteenth century, and continued to be prescribed by some physicians of eminence down to the eighteenth, and though the metal itself never disappeared entirely from our official books, as gold did, it was retained only for the sake of lunar caustic. The tincture was given chiefly for epilepsy and melancholia, and Quincy was more happily sarcastic than is usual with him when he said that its use was due to the supposed "friendly correspondence" of the moon with the head, as that of the more famous *Aurum Potabile* was to a similar correspondence of the sun with the heart. Of the two metals silver was the first to revive as an internal remedy, and is still, I suppose, regarded as the more important.

Daffy's Elixir

has recently supplied "Dagonet" with a subject for one of his lively articles in "The Referee," in which there is an allusion to "the famous Mrs. Daffy," the "proprietary" of this nostrum, who is said to have "heaved her last sigh" within sight of the present No. 12 Salisbury Square. If Catherine Daffy, who disputed Anthony's claim to be the holder of the true recipe, is meant, she was, in accordance, it is true, with the custom of her time, "Mrs." by courtesy only, being the daughter of the inventor of the elixir, the Rev. Thomas Daffy, Rector of Redmile; and Wootton says it was not she but her rival who maintained the fame it had won. Wootton's further statement that the elixir was "imitated in the Pharmacopœia (under the formula for *tinctura sennæ co.*)" needs a word of explanation. There was no *tinct. sennæ co.* in our P.L. until 1836. The elixir was first adopted (in 1721) under the original title of "*Elixir Salutis*." In addition to senna and the carminatives of our later tincture, it contained guaiacum, eleeampne, and liquorice. In 1746 these were omitted, and to the simpler tincture was given the name of *tinctura sennæ* (changed in 1836 to *tinct. sennæ co.*), but our Dispensatories continued to include an Edinburgh "*Tinct. Sennæ Co., vulgo Elixir Salutis*," which was still more of a compound than our elixir; as it contained rhubarb and juniper-berries as well as senna. It is a far cry from 1660, the approximate date of "Daffy," to 1836, and the resemblance between our *tinct. sennæ co.* and these old compositions is almost as remote. The most active ingredient in Swinton's "Daffy's Elixir" is said to have been jalap (Rennie).

Peroxide of Hydrogen

(H₂O₂)

KINGZETT'S PRESERVED QUALITY.

INVALUABLE

1. As a wash for wounds, ulcers and sores.
2. For use in midwifery cases.
3. As a gargle in cases of sore throats.
4. As a mouth-wash.
5. For application in cases of bites from venomous insects.
6. For removing fruit stains from linen.
7. As an air purifier (by spray), &c.

SOLD IN 10 VOLUMES STRENGTH, AND PUT UP IN

16-oz. bottles, retailing at 1/6 each.

8	"	"	1/-	"
4	"	"	9d.	"

Also in Bulk.

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SEED DRESSING SEASON.

Our HAYWARD'S Liquid Seed Dressing and well-known Carbolyzed Wheat Dressing and Ground Vitriol are of guaranteed strength, securely and attractively packed. Sulphate of Copper, Ground Copperas and all dressing materials at lowest prices. We pack in agent's own name and supply advertising matter.

TOMLINSON & HAYWARD, LTD, Lincoln.

An announcement of particular interest to you appears in this issue on page i.

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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CHEMIST'S DICTIONARY OF MEDICAL TERMS. (3rd Edition.) 3/-, by Post 3/4.

PROVINCIAL HOSPITAL PHARMACOPŒIAS. 2/6, by Post 2/9.
CHEMISTS' WINDOWS. 3/6, by Post 3/10.
MINOR EXPERIENCES. 2/6, by Post 2/9.

THE CHEMIST AND DRUGGIST, 42 CANNON STREET, LONDON, E.C.

Also supplied by the leading Wholesale Houses at the published prices.

Index Folio 798

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offer a perfect alternative to the discarded
B.P. Tinctures and Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

The New Insurance Tariff.

A MILD SENSATION has been caused by the action of the Executive Committee of the Progressive Pharmacy Club in calling a meeting of panel chemists to be held in London on September 25 (see *C. & D.*, September 8, p. 51). The meeting is to discuss the terms for the Drug Tariff for Insurance dispensing in 1918, and is to consider the advisability of presenting a memorial on the subject to the Insurance Commissioners. The action taken by the Club reminds us of the independent attitude taken by the Scottish pharmacists at the end of 1914, which resulted in Scotland receiving a higher rate of remuneration for Insurance dispensing than do the chemists of England and Wales. The "ginger" of the Progressive Pharmacy Club seems to be needed, as for some time past the Square attitude has been far from appreciative of the panel pharmacist's lot. Cut-and-dried schemes are placed before meetings of panel chemists, and are required to be accepted without question, even when some of the figures upon which they are founded are shown to be incorrect. The memorial which is being prepared for the Insurance Commissioners, and which it is intended shall be signed by panel chemists, is a long one. The principles of the various Tariffs from 1913 to 1916 are set forth, and the fallacies pointed out. The 1916 Tariff was accepted upon the assumption that the increased dispensing-fees would compensate chemists for the loss of profit on drugs supplied to insured persons. This, states the memorial, has not proved to be the case,

owing to the fact that the Tariff has been interpreted at the pricing offices in such a way as to render the work of dispensing much less remunerative than formerly. The elaborate scale of dispensing-fees only confuses the issue, owing to the fact that there is an increasing tendency to regard extemporaneously compounded medicines as having been supplied from stock, and this militates against chemists being fairly and adequately remunerated for their services. Already the state of affairs for the year 1917 promises to be worse in this respect than that for 1916, as there is a steady diminution of the average dispensing-fee, and the memorialists desire to emphasise the facts that remuneration for professional services should not be subject to arbitrary fluctuation because of the vagaries of pricers who do not possess the necessary technical training to enable them to exercise a proper discrimination. In order to remove all difficulty and doubt in deciding how the Tariff ought to be interpreted, it is suggested that simplification would result from the adoption for the year 1918 of three flat rates, each inclusive of the establishment-charge, as the

respective dispensing-fees on (1) compounded medicines, (2) uncompounded drugs and preparations, and (3) appliances. A flat rate of fourpence on all compounded medicines is required to provide remuneration which might be considered adequate as compared with that received for the year 1915. This should apply to all mixtures, pills, tablets, and other compounded medicines, and there should be no reduction of the fee on the ground of the medicine being possibly supplied from ready-made stock. In the case of uncompounded drugs and preparations, including all proprietaries, a dispensing-fee of twopence-halfpenny is suggested, while for the supply of appliances a fixed fee of three-halfpence on each separate transaction is asked.

Other points raised in the memorial are the supply of methylated liniments and the under-pricing of proprietary

articles which are on the protected list of the Proprietary Articles Trade Association. The question of methylated liniments is an interesting one, and the difficulty has arisen through the Sale of Food and Drugs

METHYLATED ACTS Clause inserted in the dispensing agreements for 1917. It may be recalled that in 1876 a General Order of the Excise authorities

was made which allows the manufacture of aconite, belladonna, compound camphor, and soap liniments from methylated spirit. The British Pharmacopœia, however, does not recognise the use of methylated spirit in the manufacture of these liniments and as this work is the standard which pharmacists have to follow in dispensing physicians' prescriptions, it follows that if public authorities sampled Insurance prescriptions which happen to include the above-mentioned liniments, and the public analyst reported that the liniments were not prepared according to the British Pharmacopœia, prosecutions would follow. The matter is further complicated by the fact that methylated-spirit preparations only are included in the Drug Tariff, and pricing offices only allow for the cheaper liniments when pricing chemists' prescriptions. The Insurance Commissioners have been asked to assist in some solution of the difficulty, but they are either unwilling or unable to do anything in the matter. In the meantime panel chemists are rendering themselves liable to heavy penalties under the Sale of Food and Drugs Acts if they supply methylated-spirit liniments. The other matter referred to in the memorial is in regard to protected proprietary articles. The pricing offices, we are

PROTECTED PROPRIETARY ARTICLES. The pricing offices, we are told, price these at the wholesale prices, thus causing the chemist to break an agree-

ment as to maintaining fixed minimum prices, which is the principle of the price-protection scheme of the Proprietary Articles Trade Association. We are asked to state that it is desired that the memorial should be signed by as many panel chemists as possible. The meeting on September 25 will be a good opportunity for London chemists, and copies of the memorial will also be available for signature at the Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, W.C. 2. The Secretary of the Club, Mr. John Humphrey, 65 Park Road, Battersea Park, S.W. 11, will be glad to send copies of the memorial to Association secretaries.

Venereal Disease Act.

Section 2.

IN a previous article (*C. & D.*, July 28, p. 43) we dealt with Section 1 of the Venereal Disease Act, which aims at the prevention of treatment of venereal disease otherwise than by qualified medical practitioners. The areas in which this section of the Act will be in force on November 1—the Local Government Board having made the necessary orders required by the Act—were enumerated and also shown on a map. The full text of the Act was printed in the *C. & D.*, June 16, p. 34. We now propose to deal with Section 2 of the Venereal Disease Act, which deals with the restrictions on advertisements regarding venereal treatment and venereal remedies. Sub-section 1, which has been in force since May 24, is as follows:

"A person shall not, by any advertisement or any public notice or announcement, treat or offer to treat any person for venereal disease or prescribe or offer to prescribe any remedy therefor, or offer to give or give any advice in connection with the treatment thereof."

The first prosecution under this sub-section was reported in the *C. & D.*, September 8, p. 38, the defendant, a herbalist, having sent out booklets in which was made an offer to treat venereal disease. The defendant was fined 20*l.* As has been pointed out in the *C. & D.*, the sub-section applies to medical men as well as other people, although public bodies are exempt.

We have now to deal with Sub-section 2, which comes in force on November 1, on and after which date it will be illegal to advertise remedies for venereal diseases. The first part of the sub-section is as follows:

"On and after the first day of November, nineteen hundred and seventeen, a person shall not hold out or recommend to the public by any notice or advertisement, or by any written or printed papers or handbills, or by any label or words written or printed, affixed to or delivered with any packet, box, bottle, phial, or other inclosure containing the same, any pills, capsules, powders, lozenges, tinctures, potions, cordials, electuaries, plaisters, unguents, salves, ointments, drops, lotions, oils, spirits, medicated herbs and waters, chemical and official preparations whatsoever, to be used or applied externally or internally as medicines or medicaments for the prevention, cure, or relief of any venereal disease."

The wording of this sub-section is adapted from that to be found in the Schedule of the Medicine Stamp Act, 1812. The word "capsules" is an addition, but such redundancies as "unguents, salves, ointments" are retained. The terms of the sub-section include other forms of modern medicaments than capsules, although these are not mentioned by name, such as tablets, ampoules, suppositories, and bougies. The wording given above was adopted on the suggestion of Mr. W. S. Glyn-Jones, so that there should be no difficulty in deciding, on the analogy of liability to stamp-duty, whether a label or advertisement of a remedy for venereal disease comes within the meaning of the Act. It must, however, be specially noted that in the Venereal Disease Act there are no exemptions for pure drugs or "known, admitted, and approved" remedies. There must be no recommendation of any kind upon the labels or advertisement of medicines for the "prevention, cure, or relief of any venereal disease." It will be seen that the Act does not prevent the sale of drugs used for venereal complaints. It will be legal on and after November 1 to sell copaiba balsam and capsules, santal oil and capsules, black wash, grey-powder pills, cubeb paste, santal and cubeb drops, and such-like if the articles are merely labelled with the name of the drug and the dose. By Section 1 (*C. & D.*, July 28, p. 43) it will be illegal on and after November 1, in scheduled areas, to recommend a remedy for venereal disease. If, however, a customer asks for any of the drugs mentioned above they may be supplied, although the vendor from common knowledge is aware that the customer will probably employ them in the treatment of venereal disease.

Elsewhere in this issue we give some notes on the various remedies for venereal diseases which are on the market. The object is to point out the wording on the labels and advertisements which in our opinion will not be allowed to be employed on and after November 1. The remedies dealt with have all been purchased on the open market during the past few weeks, and have been carefully examined from the point of view of protecting chemists who have been in the habit of selling the articles referred to. It may be that before November 1 the wording of the labels, etc., may be altered so as to place the remedy outside the Venereal Disease Act, and it is for the makers to advise their customers if it is decided so to amend the printed matter which accompanies the proprietary articles. Some doubt has been expressed as to whether the doctrine "once liable, always liable" applies here as it does in the case of liability of medicines to stamp-duty. It may, however, be pointed out that the wording of the Medicine Stamp Act upon which this doctrine is founded has not been adopted in the Venereal Disease Act. The words referred to are "or which have at any time heretofore been, now are, or shall be." There is, therefore, nothing, so far as we can see, to prevent the manufacturers of the remedies enumerated elsewhere in this issue from amending the labels, etc., if they are so minded. Chemists are advised, before November 1, to clear out all the stock which they hold of remedies so labelled or advertised, or they will incur the heavy penalties of the Venereal Disease Act. Supplies obtained after November 1 should only be sold upon a guarantee from the makers that the articles do not contain expressions which on and after that date will expose the vendors to prosecution. The last part of Section 2 exempts from the operation of the section advertisements issued by public authorities, and those published in medical and pharmaceutical journals.

Apprentice-masters' Responsibilities.

DURING the hearing of a claim before the Wages Board of New South Wales, Mr. Justice Pickburn, the arbitrator, said: "Apprenticeship imposes an obligation on the part of the employer to teach. An employer who keeps a boy doing the same class of work all the time, and does not teach him properly, is made to pay damages." It was further urged that if an apprentice does not pass his final examination it would be because the employer had not taught him properly. In New South Wales apprentices require to be registered on starting their apprenticeship, and this is a condition precedent to sitting for the qualifying examination. It seems, however, to be stretching the doctrine of responsibility rather far to make the master answerable for failure to pass the examination.

Alcoholic Medicines.

IN our issue of August 18 (p. 33) we intimated that "ethylic alcohol, mixtures and preparations containing (not otherwise prohibited), have been added to the list of prohibited exports from the United Kingdom to all destinations." The wide scope of the entry has caused some concern to those manufacturers of proprietary medicines whose preparations contain small amounts of ethylic alcohol—probably from 2 to 8 per cent.—used as a menstruum or preservative. Hitherto such medicines had been allowed to be exported without a Privy Council licence if they did not contain any other ingredients on the list of prohibited articles, but evidently the exportation of such medicines in the aggregate has much increased or is thought to involve a large quantity of alcohol. In order to ascertain exactly how manufacturers stand in the matter, we inquired of the Director of the War Trade Department, who informs us that "although medicinal preparations containing small proportions of ethylic alcohol must be regarded as within the scope of the new prohibition on the export of 'mixtures and preparations containing ethylic alcohol,' for the present, at all events, applications for licences to export such goods will receive consideration." This answer, while appearing satisfactory on the surface, goes to show that each individual application for a licence will be treated on its merits, and it would appear that the smaller the amount of ethylic alcohol contained in the article for which a licence is required, the more favourable will be the consideration. There is, of course, bound to be inevitable delay in the issue of licences, but it is becoming more necessary day by day to exercise strict control of our stocks of medicinal materials and products.

Platinum and Palladium.

SINCE the official order was issued early in January placing platinum under control, trading for industrial use has been severely restricted, and is only possible under a Government permit, while any infringement of the regulations renders the buyer or seller liable to the penalties under the Defence of the Realm Act. For several months past the price has remained "pegged" at 290s. per oz. troy for new platinum, which shows an advance of 50s. per oz. on the value current in the earlier part of the year, while the price of old metal or scrap stands at 260s. per oz. Although the supply available in this country is, as we are told to-day by the chief importers, restricted and almost entirely retained for essential Government use, it is nevertheless about sufficient to go round. Large quantities are required for the making of contact-points for the ignition system of aeroplanes and automobiles, and for telephone and telegraph instruments. In the case of sulphuric-acid making, a substitute has been found, thus safeguarding the supply for other more essential uses. Of course, platinum can no longer be obtained for jewellery or dental purposes, so that requirements in the latter direction have had to be provided for by the resort to substitutes. The most important of these is palladium, another precious metal somewhat similar to platinum, the exploitation of which was practically neglected before the war. There has been a big demand for palladium within the last six months or so, chiefly for the making of jewellery, such as neck-

lace-pendants and other ornaments, of which splendid examples are on the market. Whereas the price of palladium a year or so ago was nominally about 100s. per oz., trading therein has developed so rapidly that its value has since risen to within 10s. of that of platinum, to-day's quotation being 280s. per oz. Important deposits are now being exploited in Canada. Reports have been received again lately of fresh discoveries of platinum in Alaska, and the American authorities are leaving no stone unturned to exploit these in order to provide for the many needs for war purposes. In her anxiety of making sure of her requirements America recently ordered a census of all stocks, which are reported to represent about 40,000 oz. A strict control of supplies is exercised by the Swiss authorities in order to protect the chief industries depending on this article. It is reported that in Germany all fountain-pens containing platinum have been commandeered.

Sugar for Chemists.

IN our issue of August 11 (p. 43) we gave particulars of the sugar-distributing scheme under which manufacturers, caterers, and chemists and druggists are to obtain their supplies of sugar from the local Food Control Committee. We then indicated that chemists should meanwhile prepare an estimate of the quantity they require when they apply for the necessary forms. These arrangements have now been confirmed, and we notice that in the Food Control time-table September 22 is the last day for the issue of registration certificates to manufacturers. Vouchers are to be issued on October 9, and authority is given to obtain supplies on November 4. The position of wholesale druggists in relation to their customers is indicated in the following circular which we have received from Evans Sons Lescher & Webb, Ltd., Liverpool:

"We understand arrangements are being made whereby a supply of sugar will be available for pharmacists for use in medicine, and that the proper course for pharmacists to pursue is to apply immediately to the Local Food Committee for the necessary forms. The proportion of sugar supplied in each case will be based on the quantity used by the pharmacist, in medicine, during 1915.

In the meantime the sugar which is being supplied to us is for manufacturing-purposes only, and not for distribution. Under the new scheme, our customers who have drawn their supplies from us in the past will probably be able to get quantities allocated to them from us in the future. It will be necessary, in due course, for us to be advised of any such quantities as may be allocated so that we may ourselves make application to cover the prescribed deliveries."

It has been pointed out to the Ministry of Food that in any representations made by it to the local Food Committees special consideration should be given to the wants of chemists and druggists for supplies of sugar for manufacturing medicines, and on this point the Ministry of Food, in a non-committal reply, intimated that a note has been taken of the request. It must not be forgotten that the distribution of sugar by card has come to stay for a considerable period, and every endeavour will be made to see that the supplies are forthcoming, but there is always the possibility of the quantity rationed being reduced rather than increased, and for this reason the need for economy is greater than ever.

Since the above was written we have received from the Pharmaceutical Society the information that the following reply has been received to an inquiry made at the Ministry of Food in regard to this matter:

"We are directed to inform you that pharmacists—that is, retail chemists and druggists—are regarded for the purpose of the sugar-distribution scheme as manufacturers. They should therefore claim their supplies of sugar under Section 6 of Form N.G. 2A."

IT IS STATED in the "Times" that a mixture of nitrous oxide and oxygen is being much used as an anaesthetic in the First London Military Hospital.

CHRISTMAS CARDS FOR AMERICA.—There will be no War Office veto this year on the postage of Christmas cards to America. At the annual meeting of Raphael Tuck & Sons, Ltd., a letter was read from the War Office stating that the public can post Christmas cards in the ordinary way to the United States and such parts of America as are British Possessions.

Remedies for Venereal Diseases.

A SECTION of the Venereal Disease Act, which will be in force on November 1, makes it illegal to hold out or recommend to the public any medicament "for the prevention, cure, or relief of any venereal disease," the definition of venereal disease being "syphilis, gonorrhœa, or soft chancre." The penalties to which offenders are liable are severe, and care is needed to guard against unwittingly infringing the Act. Liability may be incurred by the sale of certain proprietary articles, and to place chemists on their guard against offending in this way we have examined a number of these medicaments, the result being given below. The samples have all been purchased within the past two or three weeks. In these notes attention is called to the points which in our opinion will, on and after November 1, amount to an infringement of the Venereal Disease Act. It should be noted, however, that before November 1 the manufacturers may so modify the labels and circulars that no offence will be committed by selling the articles. We have, in fact, heard of one case where an alteration is to be made in the labels and directions for taking the medicine so that the sale will not infringe the new Act.

1. Confection.—One of a series described as "The New French Remedy." Put up in a small oblong tin, unlabelled, circular and pamphlet enclosed. On the back of the circular is a "special notice," which begins:

"Owing to persistent opposition to the advertising and publication of books for use of sufferers on the treatment of gonorrhœa, syphilis, chronic weaknesses, etc., the booklets of instruction formerly supplied free to those interested will not be reprinted when the present edition is exhausted, as it will be very shortly. The remedy will continue to be obtainable as formerly and its efficacy fully maintained, but the printed directions will be considerably curtailed."

The pamphlet contains directions for the treatment of gonorrhœa and syphilis, the remedies recommended including the proprietary article around which the pamphlet is wrapped. There is a note that the manufacturer "may be consulted in all cases," office-hours and tram-service being mentioned.

2. Pills.—Fifty-four pills wrapped in tissue-paper and placed in slide box with book of directions. Round the box is a label (no mention of venereal diseases) which states that the remedy "cleanses, soothes, and strengthens the kidneys and bladder," and refers to the booklet which is enclosed. "Any further advice for special cases willingly given if you will write to us." The booklet (twenty-eight pages) states that the pills are for the cure of gonorrhœa, gleet, etc., and a lotion is also recommended for the same complaints. The series also includes a mixture for syphilis. Nine pages of the booklet are devoted to testimonials, three of which are in the nature of orders from chemists. The orders are dated thirty years ago, but the name of one of the chemists is on the current Register of Chemists and Druggists.

3. X's "Celebrated Injection."—Label on carton and bottle mentions that the injection is to be continued "after the discharge has stopped." A circular enclosed states that the injection "is a most valuable help to the cure of gonorrhœa."

4. X's "Flexible Capsules," also "Improved Gelatine Capsules."—The medicaments are copaiba, cubebs, santal oil, etc. There is no mention of venereal diseases, but enclosed in the box is a coupon which entitles the purchaser to obtain a booklet, "Some Practical Hints on the Cause, Treatment, and Cure of Gonorrhœa."

5. Y's "Tasteless Paste for Gonorrhœa."—A confection put up in a wide-mouth bottle, which is taken in the wafer-papers enclosed in the package. A four-page circular gives directions for treating gonorrhœa, syphilis, and soft chancre. Three other leaflets are enclosed, one of these being an advertisement with prices of French letters. The manufacturer of the remedies is stated to be a "pharmaceutical chemist," although there is no pharmaceutical chemist of the name on the current Register. A list of chemists who are agents for the remedies is given on one of the handbills. The same maker produces "tasteless pills for syphilis."

6. Z's Capsules.—These are flexible gelatin capsules, containing copaiba, cubebs, santal oil, etc., as medicaments. Inside the lid of the box of one variety are the words "In

all affections of the kidneys and urinary organs they are invaluable," etc. A box of capsules differently medicated states that santal oil "is of the greatest efficacy in cases of gonorrhœa and all other affections of the genito-urinary organs." A circular accompanying the capsules refers to copaiba as "long famous for its efficacy in gonorrhœa."

7. An Injection.—The title of the preparation might be held to be descriptive of the uses of the injection. The label on the carton states that the solution is for the treatment and cure of gonorrhœa. No name and address of maker appears on the package.

8. Injection.—French origin. Outside label in French; no mention of disease. Stated to be a zinc-lead preparation made according to a hospital formula. Label on bottle (in French) states that the injection is "contre les écoulements récents ou chroniques . . ." [against recent or chronic discharges . . .]. The proportion of opium is given as 0.12 per cent. Booklet wrapped round the bottle gives directions for use in nine languages. The directions in English mention "gonorrhœa, leucorrhœa, and gleet (sic)," and also explain the use of the injection as a "preservative."

9. Injection of French Origin.—Outside label of the package states that the medicament is matico, which "possesses extraordinary preventive and astringent properties. A few injections . . . are sufficient to arrest the most inveterate discharges." The same wording appears on the label on the bottle itself. A circular around the bottle extols the virtues of matico "in chronic and acute discharges from the urethra." Gonorrhœa is not actually mentioned, but the symptoms of "this disease" which are given are those of gonorrhœa.

10. Santal-oil Capsules (perle form), packed in bottle.—Two circulars are wrapped round the bottle. One of these sets forth the advantages of santal essence over copaiba and cubebs. The opinion of a doctor, which is printed in inverted commas, mentions blennorrhœa as the disease for which santal essence is taken. The other circular mentions other proprietary articles made by the same manufacturers. In regard to the perles, it is stated that they are "much used by genito-urinary specialists in acute and chronic inflammation or catarrh of the neck of the bladder . . . all physicians agree that it is the best internal remedy in urinary and kidney diseases."

11. Perles of the active principle of santal oil.—Of French origin, with a name which is registered as a trademark. The perles are packed in a bottle. The label on the outside of the package and on the bottle contains the words "Indications: Gonorrhée, cystite, catarrhe vésical." The circular of directions, in French and English, deals with the treatment of acute and chronic "blennorrhagia or blennorrhœa."

12. Capsules of French Origin.—The directions are in several languages. The English instructions contain the following sentences: "As soon as the running becomes less flowing, gradually diminish the doses"; and "in case of pain in passing water," which are characteristic symptoms of gonorrhœa.

13. Copaiba Capsules of French Origin.—The capsules, which are hard, are stated to be glutinous. The directions, in a pamphlet round the bottle of capsules, are in several languages, with recommendations of the capsules for use in gonorrhœa.

14. Blood-purifier of American Origin.—It is stated on the carton that the mixture "cures constitutional blood-poison, primary, secondary, and tertiary." The label refers to "contagious blood-poison in all stages, hereditary or acquired." The paper of directions enclosed in the package gives instructions for taking the remedy for syphilis.

15. Blood-syrup of American Origin.—The circular enclosed with this states that the syrup cures syphilis.

16. Z's Buchu and Copaiba Mixture.—Of American origin. The carton states that the mixture is a cure for gonorrhœa and gleet; the label on the bottle recommends the mixture in "all diseases of the genito-urinary organs." The label also recommends as convenient for travellers "Z's gleet and gonorrhœa pills." A circular enclosed in the package gives directions for treating gonorrhœa, and also invites callers or inquiries by letter "in all cases."

SIR GEORGE CHRISTOPHER BIRDWOOD, M.D., 5 Windsor Road, Ealing, who died on June 28, left property of the value of 389*l.* 4*s.* 6*d.*

MR. JAMES PICKERING JONES, chemist and druggist, 629 Smithdown Road, Liverpool, who died on December 6, left estate valued at 2,753*l.* 18*s.* gross, with net personalty *nul.* Probate has been granted to Mr. J. D. Wright, 69 Parkfield Road, Sefton Park, Liverpool, physician and surgeon, and Mr. Wm. Wellings, 56 Hanover Street, Liverpool.

New Books.

Baillière's Popular Atlas of the Anatomy and Physiology of the Female Human Body. 16½ × 9 in. Five coloured plates. Third edition. 4s. net. (Baillière, Tindall & Cox, 8 Henrietta Street, Covent Garden, London, W.C. 2.) [Corrected note.]

Benn, Ernest J. P. *The Trade of To-morrow.* 7½ × 4½ in. Pp. 232. 2s. 6d. net. (Jarrolds, Ltd., London.) [A discussion of the national outlook for commerce which aims at suggesting "a broad, rough basis for the solution of the great problem of Industrial Reconstruction." Incidentally, in connection with scientific research, the author states it is recognised that "to be of any real service it involves the continual spending of money, without any tangible and immediate return."]

Burns, John, W.S. *Chambers's Income-tax Guide.* 7 × 4½ in. Pp. 196. 1s. 6d. net. (W. & R. Chambers, Ltd., London and Edinburgh.) [Gives in plain language an explanation of the provisions and regulations regarding income-tax. Schedules and specimen returns are given, as well as particulars of the method of securing abatements and obtaining repayments.]

Chamberlain, T., and Wheelwright, E. C. *Herb-collecting for Boys and Girls.* Pp. 8. Paper cover. 3d. (National Herb-growing Association, 44 Queen Anne's Chambers, London, S.W. 1.) [The second edition of a useful pamphlet intended for boys and girls who collect herbs. The plants wanted "in quantities of not less than 5 lb." are meadow-saffron, dandelion, foxglove, marsh valerian, tansy, yarrow, greater celandine, agrimony, centaury, woodruff, coltsfoot, and comfrey.]

Collected Papers from the Research Laboratory, Parke, Davis & Co., Detroit, Mich. Dr. E. M. Houghton, Director. Reprints, Vol. IV. 8½ × 6 in. Pp. 343-550. [The reprints are of twenty papers contributed by the Laboratory to various chemical, pharmaceutical, and medical journals. The chief titles are as follows: On the Presence of Histidine-like Substances in the Pituitary Gland (Posterior Lobe); Inoculation Experiment with Pure Culture of Spirochaeta Hyos—Studies on Hog Cholera; What is the Best End-Point of the Reaction in the Frog-Heart Method of Digitalis Assay? The Glands of Internal Secretion and their Importance as Therapeutic Agents; Cannabis Sativa; The Pineal Gland; The Filterability of Bacillus Bronchisepticus, with an Argument for a Uniform Method of Filtration; The Pineal Gland in Relation to Somatic, Sexual, and Mental Development; The Correct Name for the Hemlock Spruce; The Proper Time to Collect Sanguinaria; Notes on the Michigan Species of Polygonatum; Belladonna and Hyoscyamus; Notes on Michigan Liliaceae; The Hemlock Spruce; Relative to the Total Nitrogen and Amino-Nitrogen Content of Pepsins of Different Strengths; An Effective Apparatus for Evaporating Aqueous Extracts by Means of a Current of Air; The Action of Coal-tar Disinfectant on Hog-Cholera Virus; Mono-acetyl-tri-chlorotertiary-butyl-alcohol (Acetyl Chlorotone); The Occurrence of Pituitrin and Epinephrin in Fetal Pituitary and Suprarenal Glands; The Principles of Vaccine Therapy and why it should be Used in the Treatment of Pyorrhea. The list sufficiently indicates the catholicity of the work undertaken by the Research Laboratory, many of the results being valuable contributions to the sum of human knowledge.]

Gledhill, Arthur H., A.M.I.M.E. *Practical Costing.* 9½ × 5½ in. Pp. 72. First edition. 3s. post free. (26 Victoria Street, Westminster, London, S.W.) [The author observes in the preface, "It is a matter of experience that a considerable portion of the time records made by the men are inaccurate"; and to remedy this familiar error he lays it down that the foundation of any good costing system is "the time spent on the job," and, further, that "to be really efficient the system should be based upon the largest possible subdivision of the machine or article to be costed and a carefully drawn up schedule of operations prepared." At least half the book is filled with schedules illustrating the working of the system.]

Jordan, Herbert W. *Registration and Publication of Directors' Names.* 7 × 4½ in. Pp. 43. 6d. net. (Jordan & Sons, Ltd., 116 and 117 Chanery Lane, London, W.C. 2.) [A succinct account of the Companies (Particulars as to Directors) Act, with useful comments on the subject.]

Maiden, J. H. *A Critical Revision of the Genus Eucalyptus.* 12 × 9½ in. Vol. IV., Part 1. 2s. 6d. (Gullick, Government printer, Sydney, N.S.W.) [This is Part XXXI. of the complete work, and contains four plates. The eucalypts dealt with are *E. tereticornis*, *E. Bancroftii*, and *E. amplifolia*.]

The Canadian Trade Index (1916-18). 10 × 6½ in. Pp. 560. \$5. (Canadian Manufacturers' Association, Inc., 1404 Traders' Bank Building, Toronto, Canada.) [The principal aim of this useful work is to provide buyers of Canadian manufactured goods with a dependable list of articles made in Canada and the names and addresses of the manufacturers. The lists are arranged under the names of firms and also under descriptions, and in both cases alphabetically.]

Far Eastern Market for Perfumery.

In the Malay Peninsula, where there is a large trade done in perfumery and cosmetics, British manufacturers, in pre-war days, found Belgium, Germany, and Japan their strongest competitors. It may be that Belgium occupied a false position, for her principal port (Antwerp) was one of the outlets of German trade, and since the Straits Settlements statistics, from which the following information is derived, record merely the country of shipment and not the country of origin, it is not always possible to obtain reliable facts as to the real trade of Germany in this quarter. For the past four years the imports of perfumery and cosmetics into the Straits Settlements were valued as follows: 1913, 103,258l.; 1914, 66,446l.; 1915, 83,353l.; and 1916, 122,523l.

In the case of 1916 there may have been some overlapping, and the increase is likely to be more of value than of quantity; but it is certain that the trade was a substantial one, in spite of the continuance of the war, and it will be interesting to see from the detailed statistics of 1916, when they are available, what share of the increase has been done by Japan and other Asiatic countries. As it is, comparison can be made for three years only as below:

	1913 £	1914 £	1915 £
Belgium ...	27,856	13,368	—
United Kingdom ...	25,853	17,690	21,450
Japan ...	16,584	13,164	16,218
Germany ...	11,031	5,315	—
Hong-Kong ...	6,336	6,848	9,393
France ...	4,946	3,589	24,096
United States ...	4,323	2,792	7,854
Netherlands ...	2,642	1,229	1,724
British India ...	2,367	1,990	1,821
Austria-Hungary ...	352	327	—

Apart from the elimination of Belgium, Germany, and Austria-Hungary from the table in 1915, the most remarkable feature is the jump taken by France into first place. The United States also show a substantial increase. As cosmetics and perfumery are luxuries, and the absorption of luxuries gives some indication of the prosperity of a people, it may be deduced that the Malay Peninsula is prospering, and constitutes a good market for this class of goods. The Malay States and Netherlands India take the greater portion of the re-exports from the Straits Settlements.

Things Worth Knowing.

By "Hugo."

The wise pharmacist will buy large stocks of saleable lines well in advance. Few prices will become lower yet awhile, and many will go much higher.

Wherever possible keep fixed oils on a shelf over the fireplace in winter. The oils will then keep fluid and save much time when required for sale.

Zinc oxide, magnesite, and pulv. glycyrrhiz. co. should never be stored in paper or they will become lumpy and clammy. Tightly corked wide-mouthed bottles are the best containers.

At the present time especially, all goods and drugs should have the retail price attached, and prices should be altered upon every advance in wholesale lists. This is the essence of good business; it is not profiteering.

The easiest and most satisfactory method of making lin. terebinth. B.P. is to dissolve the soap in all the available water by allowing the two to stand overnight in a jug. When solution has taken place dissolve the camphor in the turpentine in a bottle of larger capacity than the finished product (to allow room for shaking). Now add all the soap solution to the camphor and turpentine in the bottle and shake vigorously. Repeat the shaking at intervals during the day. At first the mixture looks disappointing, but it will ultimately form a fine creamy and inseparable emulsion.

Association Affairs.

Halifax.—A meeting of the Halifax and District Chemists' Association was held on September 5, at the Old Cock Hotel, Halifax, Mr. A. Taylor (President) in the chair. Messrs. A. Taylor, Gibson Dixon, and the Secretary were appointed a deputation to the Secretary of the local Food Control Committee to ascertain the conditions to be fulfilled by pharmacists applying for sugar for pharmaceutical purposes. A report of the proceedings at the recent Local Associations Conference at Sheffield was submitted by Mr. P. W. Swire, the Secretary of the Pharmaceutical Committee, and the meeting expressed its appreciation of Mr. Swire's constant alertness and energy in the interests of the Association. It was decided to recommend every member to support the Pharmaceutical Parliamentary Fund as liberally as possible. Particulars regarding the Progressive Pharmacy Club and its publications were brought forward, and the opinion was unanimous that these publications would prove extremely useful to pharmacists, several members expressing their intention of taking them up immediately.

Wiltshire.—The annual meeting of the Wiltshire County Pharmacists' Association was held at the Town Hall, Trowbridge, on September 5. In the unavoidable absence of the Chairman, Mr. Couch (Vice-Chairman) presided. The report on the membership of the Association was good, but it was decided to make a special effort to get every pharmacist in business in Wiltshire to join. The financial report was also satisfactory, the Association having a fair balance in hand. A discussion took place on minimum retail prices, and there was every evidence of a satisfactory working arrangement being provided in most of the towns. It was proposed to set up an exchange and sale system between the members, whereby surplus stocks could be reduced and wants supplied. The officers were re-elected—viz., *Chairman*, Mr. F. J. Harrison (Salisbury); *Vice-Chairman*, Mr. W. Couch (Chippenhams); *Secretary and Treasurer*, Mr. A. C. Allen (Swindon).

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—The Commissioners have this week informed the Insurance Committee that they have no objection to the destruction of prescription-forms relating to 1915, provided there are no outstanding questions of audit or surcharge. The Commissioners have also consented to the payment to the Blackburn Pharmaceutical Committee of a sum of 91l. 6s. 6d. for administrative expenses for 1916. A further grant of 38l. has been made to the Pharmaceutical Committee towards administrative expenses incurred for the first half of 1917. The prescriptions certified by the Lancashire Bureau for Blackburn for June were 11,183, and chemists have received 75 per cent. of the estimated cost—viz., 209l. 13s. 2d. For May the scripts numbered 10,774, and the full cost was 300l., averaging 6.69d. per script.

Sheffield.—The Insurance Committee met on September 5, Mr. A. Neal presiding, when it was decided to allow insured persons to make their own arrangements as to homeopathic treatment. On the recommendation of the Panel Committee it was resolved to surcharge a panel practitioner for prescribing on the white form extract of malt and cod-liver oil, which the Committee regard not as a medicine, but as a food. In reply to a question from the Pricing Bureau, it was decided that payment should be allowed for antiphlogistine, failing an efficient substitute. The question of methylated liniments was referred to the Panel and Pharmaceutical Committees. White liniment was further discussed, and as the Committee is of opinion that "lin. alb." is not a proper prescription, it should be referred back to the doctor when ordered. The Corporation Tramway Committee are not prepared to allow the exhibition in trams of the appeal to the public referred to in the *C. & D.*, June 30, p. 47. The Medical Benefit Sub-Committee had recommended the co-option of Mr. H. Antcliffe, chemist and druggist, as a member of the Insurance Committee, but the matter was referred back for further consideration. Payment to chemists was ordered of 690l. 7s. 6d., balance for June and on account of July, and 21l. 7s. 10d. in settlement of temporary residents' accounts for 1915.

Shropshire.—A representative and well-attended meeting of panel chemists was held at the County Café Rooms, Shrewsbury, and presided over by Mr. T. R. Sparrow, Bridgnorth. The suggested terms of remuneration for Insurance dispensing were discussed, and it was resolved to issue a circular inviting the chemists of the district to subscribe to the Parliamentary Fund.

Spenn Valley.—At a meeting of the Insurance Committee last week, it was officially reported that some tuberculosis patients had left sanatoria before their proper term had expired, notwithstanding, in some instances, written promises to stay the full period. Regret was expressed because of the fact that in nearly every case where a patient had stayed the full term the medical report at the conclusion had been very favourable, whilst those who left too early were classified as moderate or not much improved.

Wiltshire.—The Pharmaceutical Committee met on September 5 at the Town Hall, Trowbridge. On the report of the Medical Benefit Sub-Committee, a discussion took place as to the dispensing of methylated liniments, and it was decided that B.P. preparations should be supplied in the absence of the indication "Meth." The following officers were elected for the ensuing year: *Chairman*, Mr. E. J. Hughes (Melksham); *Secretary and Treasurer*, Mr. A. C. Allen (Swindon); *Sub-Committee*, Messrs. Applin (Trowbridge), Christopher (Bradford-on-Avon), Couch (Chippenhams), Hughes (Melksham), and the Secretary.

SCOTLAND.

September Drug-prices.

The Appendix for September, just issued, contains alterations in thirty-nine drugs; thirty-five are increases and four decreases. Seventeen appliances have been increased. The time is approaching for general revision of prices and starring of drugs and appliances for the 1918 Tariff, and it is indicated that matters will follow the usual course. Suggestions are invited from Associations and panel chemists. As explained in *THE CHEMIST AND DRUGGIST*, August 11, p. 43, supplies of sugar should be applied for to the local Food Control Committee before September 22. The recent action of the G.M.C. in withdrawing certain B.P. preparations in no way affects the duty of panel chemists, who must, so far as practically possible, supply B.P. articles when ordered. The price-alterations in the new Appendix are as follows:

Name	oz.	dr.	Name	oz.	dr.
	s. d.	s. d.		s. d.	s. d.
Acetanilid. ...	0 5	0 1	Pulv. cret. arom. ...	0 4	0 1
Acetomorph. hyd. 9s. 4d. dr., 2½d. gr.			C. op. ...	0 11½	0 2
Acid. salicyl. ...	1 1	0 2	Pulv. ipecac. co. ...	0 11½	0 2
Adeps lane ...	0 4½	0 1	" opii co. ...	0 5	0 1½
Adeps lane hyd. ...	0 4	0 1	" rheoi. ...	6 6½	0 11½
Ammon. brom. ...	0 6	0 1	Quin. hydroch. ...	1 8	0 3
Atrop. sulph. 35s. 8½d. dr., 9d. gr.			Salol ...	3 5	0 6
Bals. peru. ...	2 10	0 5	Sod. benz. ...	1 2½	0 2½
Calci lact. ...	1 9	0 3	Sod. salicyl. ...	5 11½	0 10½
Cresotol. ...	1 8	0 3	Sulphonal ...	6 8	0 11½
Ext. ergot(ergotin) ...		0 4½	Thymol ...	0 8½	0 1½
Ext. opii sic. ...	12 10	1 10	Tinct. opii ...	0 7½	0 1½
" opii liq. ...	0 8½	0 1½	Tinct. op. ammon. ...	2½ in., 15oz. 1d.	
Glyc. belladon.,			11½d. each; 3in., 18 oz., 1s. 1d.		
B.P.C. ...	0 11	0 2	each.		
Liq. opii. ...	0 7½	0 1½	Lint, unmedicated, 1 oz. 4d., 2 oz.		
Liq. opii sed. ...	1 0	0 2	7½d., 4 oz. 1s. 2d., 8 oz. 2s. 1½d.,		
" trinitrini ...	1 2	0 2	1 lb. 4s. 3d.; borio lint, 1 oz. 3d.,		
Lith. carb. ...	1 1½	0 2	2 oz. 5d., 4 oz. 9d., 8 oz. 1s. 5d.,		
Naphthol ...	1 10½	0 3½	1 lb. 2s. 6½d.		
Ol. menth. pip. ...	1 9½	0 3½	Sal. alembroth-wool, 3s. 4d. lb.,		
Opium pulv. ...	6 2½	0 11	4d. oz.		
Paraldehyd. ...	2 1½	0 4	Cotton-wool, 1 oz. 2½d., 2 oz. 5d.,		
Potas. brom. ...	0 9½	0 1½	4 oz. 9d., 8 oz. 1s. 5d., 1 lb.		
" permang. ...	1 7½	0 3	2s. 6½d.		
" sulph. ...	0 2½	0 0½	Borio wool, 2s. 9d. lb.		
" tart. acid. ...	0 3½	0 0½			

Glasgow.—Mr. William Jones, Clerk to the Insurance Committee, has prepared a report dealing with prescribing during the first quarter of the year. He points out that "if the cost of prescribing by certain practitioners is continued at corresponding rates during subsequent quarters, a considerable number of practitioners will not only exceed the probable average rate for the city, but will exceed rates of 1s. 6d. and even 2s. per insured person. It rests, of course, with the Panel Committee to inquire into apparent excessive prescribing, and it seems desirable that the quarterly reports by the Bureau should be taken advantage of to check any excess or extravagance as early as possible, so as to obviate the continuance of these conditions during the remainder of the year." Out of the 332,854 persons on panel lists for the quarter prescriptions were dispensed to 144,910, and the cost of these amounted to 5,726l. 17s., an average price per prescription-form of 9.43d., and per person of 4.13d. The Clerk points out, however, that 198 practitioners fall into groups showing average cost per prescription-form of less than 10d., and 124 above

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, September 13, 5.30 p.m.

BUSINESS continues of small volume, generally speaking, but there is no cessation in the upward tendency of prices, chiefly because the replacement of spot goods is a difficult matter and arrivals are quite spasmodic and uncertain. This applies especially to crude drugs and essential oils. Changes in value are few, including a firmer tone in star-anise oil and higher prices for sassafras oil, which has been in better demand. Lemon continues flat and bergamot oil easier. Caraway, cinnamon-leaf, geranium, and petitgrain are all held for higher prices. Refined camphor is firm and scarce. Honey has continued in better demand; menthol is quiet. Musk is dearer in China. Montreal potashes are firmer. Ichthyl-substitutes are cheaper to buy, and citric acid is rather lower. Ipecac. is selling at higher prices.

Higher	Firmer	Easier	Lower
Aloes (Cape)	Albumen	Bergamot oil	Ammon.
Amidopyrin	Anise oil, star		ichthosulph.
Barbitone	Cassia fistula		Citric acid
Citral	Cloves		Glucose
Copper	Pimento		
sulphate	Potashes		
Ipecacuanha			
Sassafras oil			
Turpentine			

The drug-auctions will be held next Thursday, September 27.

Cablegram.

NEW YORK, September 13.—Business in drugs is dull. Peppermint oil in tins has advanced a further 20c. per lb. to \$3.25. Jalap is dearer at 19c., and senega has advanced 5c. to 85c. Buckthorn-bark is higher at 25c., and acetanilide is dearer at 55c. per lb.

ACETANILIDE.—Our New York cable quotes the higher price of 55c. per lb., which is not surprising in view of the dearness of glacial acetic acid. Fair stocks of acetanilide are still held on the spot.

ACETIC ACID.—Prices are still ruling very high, but speculators operate cautiously in view of the narrow margin of profit; in fact, at the present level of prices in U.S.A. it barely pays to import.

ALBUMEN.—Sales have been made at from 3s. 1d. to 3s. 2d., according to quantity, for prime; business has also been done in *hen yolk* at 75s. and value. There are large spot stocks of both albumen and egg-yolk.

ALOES.—Cape aloes is practically cleared off the market; small sales have been made at from 60s. to 62s. 6d. per cwt. for good firsts, with 65s. asked; near at hand is quoted at 55s.

ALUM.—A few tons have been disposed of at a Swansea Prize Court, part of which will probably be offered for resale on the market.

AMIDOPYRIN.—Small lots are still obtainable from stock at 70s. per lb. net, and slightly cheaper to come forward.

AMMON. ICHTHOSULPH.—Competition is keen between the various makers, but it is necessary to exercise discrimination in regard to quality, as the products vary considerably. Thoroughly reliable Swiss make is obtainable from reputable firms at about 3s. per lb. on the spot.

ANISE OIL (STAR).—Spot sales of "Red Ship" brand have been made at 4s. per lb., being firmer.

ASPIRIN.—Higher prices are gradually being obtained, and the consumption continues to increase considerably in view of the high value of phenacetin and similar synthetics. Imports of late have been small.

BARBITONE is becoming very scarce on spot, and small supplies are available even for forward delivery; spot value is from 115s. to 120s. per lb. The prices mentioned last week referred to a parcel below B.P. quality.

BERGAMOT OIL is easier, with offers of 38-per-cent. esters at 19s. 3d. per lb. c.i.f.; spot prices are 20s. to 21s. per lb.

BROMIDES are unchanged. Supplies have been coming forward very plentifully of late, and fairly good stocks exist on spot.

CALCIUM LACTATE is being made by several firms in this country, the price of English make being about 7s. 6d. per lb. There appears to be little coming in from abroad at the moment, though we believe several leading American houses are investigating the manufacture.

CAMPHOR (REFINED) remains firm and scarce, and for a limited quantity of Japanese 1-oz. tablets 4s. 1d. to 4s. 2d. is quoted; ½-oz. do not appear to be available.

CAPSAICUMS.—At auction 150 bales Bombay were bought in at 50s. for fair stalky.

CASCARA SAGRADA.—The stocks in the London warehouses at the end of August were estimated at 87 tons, against 115 tons during August 1916; the landings from January to August were 76 tons, against 148 tons; and the deliveries for the same period were 86 tons, against 95 tons.

CASSIA FISTULA is still tending firmer, 70s. per cwt. being quoted on spot.

CHAMOMILES.—Good white Belgian flowers are obtainable at 370s. per cwt. on the spot.

CHILLIES.—At auction 94 bags ordinary Mombasa were bought in at 85s. for fair.

CINCHONA.—The first-hand stock at Amsterdam on August 30 (exclusive of the sales at the last tender and auction) amounted to 5,250 packages, against 18,395 packages on July 21, 1917. At the tender held on August 28 the equivalent of about 85,903 kilos. of quinine sulphate was taken up by the quinine-makers. At the auction of pharmaceutical bark 812 bales and 434 cases Java offered, the total weight being 81,275 kilos., with a quinine-content of 2,247 kilos. Of this quantity 265 bales and 301 cases sold, representing 30,023 kilos. of bark or 686 kilos. quinine sulphate; prices were from 15c. to 70½c., being dearer.

CITRAL is higher, owing to the advance in lemongrass oil. CITRIO ACID is rather lower at 3s. 2d. to 3s. 3d. per lb.

CLOVES are firmer, with spot sales of fair Zanzibar at 1s. 3d. to 1s. 3½d., with 1s. 4d. asked. At auction 50 bales good Zanzibar were retired at 1s. 4d.; two cases fair picked Penang sold at 2s.

COCAINE.—Supplies are still very meagre, but home-trade requirements are practically all provided for.

COD-LIVER OIL.—Our Bergen correspondent writes on September 3 that it is still impossible to give a positive quotation for Norwegian medicinal oil.

COLCHICUM-ROOT is quoted at from 7s. to 8s. per lb. on the spot.

COPPER SULPHATE.—Liverpool reports a better demand at the dealer rates of from 62l. to 62½l. 10s. per ton f.o.b.

COUMARIN is offered at 85s. per lb. in tins for 100-per-cent.

CREAM OF TARTAR.—Offers from Italy are being made at reasonable prices, but there have been so few operators of late months that the article has lost interest—so much so that stocks have been allowed to dwindle to extremely meagre proportions. The fortunate few who hold a supply on spot can obtain the famine prices of from 285s. to 290s.

ERGOT is quiet, with Russian offering at 2s. 2d. and Spanish at from 2s. 4d. to 2s. 6d. per lb.

FORMALDEHYDE.—Market is slightly higher again in U.S.A. Spot parcels have moved off more freely this week, but current quotation remains unchanged at from 125s. to 130s. per cwt. as to quantity.

GENTIAN is firm, holders asking 85s., and for cut 95s. per cwt.

GINGER.—Quiet. At auction 893 packages washed rough Cochin were bought in at 75s. and brown rough Calicut at 70s.; 100 bags Sierra Leone were bought in at 57s. Small sales of Sierra Leone have been made at 49s. ex store, Liverpool.

GURJUN OIL.—Sales have been made at 1s. per lb.

HEXAMINE.—Stocks are still somewhat plentiful on the spot, with prices unchanged at 3s. 9d. per lb.

HONEY.—The demand has continued, and in some quarters up to 90s. per cwt. is quoted for good Jamaica.

INSECT-FLOWERS.—Japanese for November-December shipment offer at 115s. per cwt. c.i.f.

LAVENDER OIL.—Genuine French oil is quoted at about 17s. 3d. per lb. f.o.b., packing extra.

LEMON OIL is flat at 4s. 3d. per lb. on the spot and 4s. 3d. c.i.f.

LEPONGRASS OIL is firm, with sales at 5d. per oz. on the spot.

LIQUORICE-ROOT.—Good Sicilian decorticated is offered at 110s. per cwt. on the spot.

LYCOPodium.—Treble sifted is quoted at from 5s. 6d. to 5s. 9d. per lb. on the spot.

MENTHOL is quiet at from 13s. 6d. to 13s. 9d. per lb. on the spot. The exports from Japan during June amounted to 19,906 kin, valued at 132,147 yen. During the six months ended June 30 the exports were as follows:

	1915	1916	1917
Kin ...	216,376	224,642	143,132
Yen ...	1,202,805	1,445,404	932,754

The destinations were as follows:

	1915	1916	1917
	Kin	Kin	Kin
British India ...	14,467	7,700	5,620
Great Britain ...	44,756	94,037	17,241
France ...	34,237	50,168	1,361
United States ...	102,558	63,190	110,096
Other countries ...	20,358	9,547	8,814
Kin ...	216,376	224,642	143,132

Musk.—Chinese shippers say that for the next lots to be shipped they will require an advance of 25 per cent. for Tonquin pod.

OLIVE OIL.—Supplies are in very small compass, and the price keeps advancing, up to 17s. per gal. being quoted for B.P. quality. Although there is an embargo on exports from Spain, it will probably be lifted in a month or so. Italy has a good crop of oil, and it is likely that the stringency will be relieved later.

OPIMUM is still very firm and scarce, Persian offering at from 60s. to 65s. per lb. as to test. No Turkey druggists' is available.

PEPPER is firm, the sales including fair black Singapore at 1s. and Tellicherry at 1s. 0½d. on spot, the value of Alleppy being 1s. At auction 240 bags Tellicherry sold with all faults, all more or less sea-damaged and heated, at from 37s. 6d. to 57s. 6d. per cwt. There are buyers of Singapore white on spot at 1s. 1½d. and Muntok at 1s. 2d.

PEPPERMINT OIL.—American tin oil is unchanged on the spot, but, as indicated last week, growers have raised their prices, one asking 16s. 9d. per lb.

PHENACETIN.—Keen competition has rapidly brought down the price for forward delivery, but for spot supplies 80s. per lb. is still being paid.

PHENAZONE is unchanged, but since the French Government refused to grant further export-licences there has been a somewhat marked reduction in imports.

PHENOLPHTHALEIN.—From 85s. to 90s. per lb. is still obtainable on the spot, but appreciably less is quoted to come forward.

PIMENTO is firmer, with spot sales of fair at 3½d., and 4d. now asked.

POTASHES.—No arrivals have taken place in Liverpool for some time past, and although the demand is limited, holders on the spot (London) are inclined to ask 205s. per cwt. for first Montreal, with second quality at 195s.

QUININE.—Makers' prices still remain unchanged, and on the spot sulphate is offered at 2s. 10d. per oz. In view of the coal shortage in Holland, the position of all manufacturing concerns in that country is becoming serious, but fortunately supplies of quinine have been coming forward in satisfactory quantities, and the requirements of buyers have been satisfied. The landings in London during August amounted to 53,000 oz., and the deliveries to 221,950 oz., leaving a stock of 227,440 oz., compared with 1,330,980 oz. in August 1916 and 2,164,360 oz. in August 1915. A telegram from Batavia to Amsterdam reports that the Bandong quinine-factory has declared a final dividend of 27 per cent. A sum of 65,000 florins is reserved for war taxation and 300,000fl. for extensions, for which the necessary machinery has already arrived. The production is to be increased by 2,000 kilos, of sulphate of quinine. In the annual report it is stated that the shares rose from 525 to 635, and later to 650.

SALICYLATES.—*Salicylic acid* is somewhat irregular in price this week owing to profit-taking on parcels bought from makers at low prices, and business has been done at various rates, from about 6s. 6d. to 7s. per lb. *Sodium salicylate* is still scarce on the spot, and 9s. to 9s. 6d. is readily paid. Crystals in particular are very scarce, but a limited quantity is likely to be available next week. Announcement has been made of the fact that one of the principal salicylate-

plants has been severely damaged by fire in the United States.

SASSAFRAS OIL.—American natural has been selling more freely of late, and the spot value is about 4s. 3d. per lb.

SENEGA is firm at 4s. per lb. net on the spot.

SHELLAC.—With a slow demand, prices show practically no change on the week, usual standard quality TN Orange closing at 235s. spot; fine Orange is quoted at 300s., AC Garnet at 260s., and Ruby at 220s. per cwt.

SOY.—A small parcel of Japanese about landing is offered at 55s. per cwt.

SQUILL.—Fair white is obtainable at 70s. per cwt. on the spot.

SULPHUR.—With reference to the notice on p. 49 of our issue of July 21, relative to the Government control of the sulphur industry in Italy, it is notified that a Decree, dated August 8, is published in the "Gazzetta Ufficiale" (Rome) of August 11, fixing maximum prices for the sale of sulphur, rough or worked, in Sicily, and also in Italy and the Italian Islands. The conditions of sale are set forth, whether the sulphur is for home use or for export. The text of the Decree (in Italian) may be consulted by British firms interested at the Department of Commercial Intelligence, 73 Basinghall Street, London, E.C. 2.

TURPENTINE is dearer, a good business having been done, the market closing at 60s. per cwt. for American on spot.

Superphosphate of Lime.

The War Cabinet has fixed maximum prices for the sale of superphosphate of lime in the United Kingdom on the basis of a delivered price of 6½d. 5s. for 28 per cent. grade if delivered in December, with a reduction of 1s. per month before December, and 1s. per month rise from January until May 1918. Thirty per cent. superphosphate costs 6½d. 10s. From 30 per cent. downwards there is a reduction of 2s. 6d. per ton for each complete unit; from 30 per cent. upwards an extra of 4s. for each complete unit. The prices are for net prompt cash, in makers' or vendors' bags, delivered by rail or water to consumer's nearest railway station or wharf. An Order to this effect has been issued by the Ministry of Munitions, and a circular explaining the provisions of the Order can be obtained from the Food Production Department.

Quicksilver.

Since we gave particulars of the Spanish production for 1915 (*C. & D.*, September 1, p. 49), the returns for 1916 have become available, and we note that these show a decrease against the previous year of fully 22 tons, at about 1,200 tons, while the output of cinnabar decreased 918 tons, to 19,799 tons, this in spite of the much higher prices recorded. Evidently operations were to some extent interfered with by labour shortage and other drawbacks. The setback in the output shown does not amount to a great deal, but it may be presumed that this year's production will again reflect the adverse causes referred to, as industrial enterprise has been hindered during recent months. The number of mines worked last year was twenty-two. No separate returns of the Almaden mines (the leading concern) are available. In order to remedy the heavy increase in the cost of production in 1915 a railway was constructed by the Spanish Government to these mines.

The American output of quicksilver, according to official returns, experienced last year a very considerable increase—namely, 8,899 bottles of 75 lb. each to 29,932 bottles. California's contribution to that total was 21,045 bottles, against 19,497 bottles in the previous year. There was general activity in all the old-established mines, and experiments were made in concentrating low-grade ores and old dumps, and there was an increased recovery of metal formerly lost at plants now dismantled. The Texas output was 6,306 bottles, all from shaft-furnaces, while most of the old mines were reopened, some under new management, to take advantage of the higher prices. The Nevada output was 2,198 bottles, and in Arizona, Oregon, and Washington only 383 bottles were secured. The American exports in 1916 were 8,880 bottles, the greater part of which was for England and Japan in equal quantities, while the imports were 5,659 bottles, the largest portion of which came from Spain and Italy, chiefly through New York. The monthly average price rose to as high as \$295 in February, in which month as much as \$400 per bottle was realised for small lots; there was a sharp break in the price in June down to \$74.50. In the second half-year the average monthly price varied between \$81.20 and \$74.50 per bottle.

Solid and Liquid Camphor Trees.

In a recent number of the "Barbados Agricultural News" a question of some interest to the future production of camphor is referred to. It appears that some time ago Sir Francis Watts, the Commissioner of the Imperial

Department, stated that some of the wood, together with leaves and twigs, of the camphor-trees (*Cinnamomum Camphora*) growing in the Botanic Gardens, Dominica, had been submitted for distillation, with the result that "no solid camphor was obtained, nor could any be obtained by cooling in oil." In reference to the subject the British Consul at Fochow, in a report on the trade of that port so far back as 1906, said that a considerable number of the existing trees did not produce camphor, and it was further asserted that, like the coconut-palm, the camphor-tree (*Cinnamomum Camphora*) grows to perfection only close to the sea. Others, again, contended that camphor-trees are male and female, and that crystals of the desired quality are found in the male only. This theory, however, is contradicted by the fact that the flower of the camphor-tree is polygamous.

In 1916 further experiments were made at the Government Laboratory, Antigua, when camphor-wood from the Dominica Station, and leaves and twigs of a tree nearly 100 years old, from St. Vincent, were distilled. The results on this occasion confirmed those of the previous distillation, for no solid camphor was found. As camphor-trees grow well in Mauritius, and it was desirable to investigate the yield of camphor and camphor oils of the existing old trees before reafforestation of the island with camphor was undertaken, investigations into the matter were made by the Agricultural Department, and the results showed that the camphor-trees of Mauritius yield no solid camphor and only small quantities of "light" camphor oils.

Experience tends to show that the production of camphor or oil only is related to definite varietal differences, and it is interesting to learn that the Japanese can recognise at sight the camphor-producing or oil-producing trees.

Arrivals of Chemicals, Drugs, etc.

THE following arrivals have taken place at the Ports of London and Liverpool:

To London.
(September 1 to 7.)
Acetic acid, 80 dmjins.
115 clys.
Acid, oxalic, 70 pkgs.
Alumina sulph, 450 brls.
Argol, 470 bgs.
Balsam peru, 10 cs.
Betanaphthol, 4 brls.
Bromides: ammon., 6 cs.; soda, 40 cwt.
Casein, 1,200.
Cinchona, 105 bls. 8 pkgs.
Dental goods, 925.
Drugs, unrated 96.
Dyestuffs, unrated, 9 brls.; cutch, 1,150 bxs.; hematine cryst., 16 brls.; myrabolans, 11,600 pockets; tanners' bark, 215 tons
Gelatin, 391.
Glycerin, dist., 82.
Glycerophosphate lime, 3 cs.
Gum acacia, 100 cwt.
Heliotropine, 8 cs.
Henbane, 37 bls.
Hydrastin, 1 cs.
Hydroquinone, 10 cs.
Jalap, 32 bgs.
Marjoram, 12 bls.
Menthyl, 10 cs.
Methyl salicyl., 7 cs.
Milk of magnesia, 210 pkgs.
Milk-sugar, 34 brls.
Mint oil (Jap.), 10 cs.
Nuts and kernels: arachis, 380 cwt.; other sorts, 200 cwt.
Oils, essential, 83 cs. 3 drms.; camphor, white, 94.
Oils, fixed: arachis, 500 cs.; castor, 440 cs. 100 brls.; fish, 500 cs. 250 cs.; turpentine, 356 cs.
Ointment, 185.
Orange-peel, 20 cs.
Perfumery, unrated, 2,049; toilet powder, 1,250.
Phenacetin, 11 cs.
Phenolphthalein, 1 cs.
Pumice-stone, 61 tons
Rosin, 117 cs. 1 lb.
Safrol, 200 cs. 39 pkgs.
Sal acetos, 40 pkgs.
Salol, 3 pkgs.
Saltpetre, 4,169 cwt.
Scammony-root, 33 bls.
Seeds: cotton, 206 tons; fennel, 14 bgs.; fenugreek, 180 bgs.
Soap, toilet, 23.
Soda benzoate, 9 cwt.
Soda butyrate, 2 cwt.
Soda, caustic, 135 cwt.
Starches (cwt.): farina, 1,156; potato-flour, 2,160; rice, 540
Tallow, unref., 3,247 cwt.
Tanglefoot, 2,000 pails
Terpineol, 10 cs.
Trioxymethylene, 34 cs.
Viterol, 1 cs.
Wax, not described, 24 bls. 136 bgs.
Wax, paraffin, 3,924 cwt.
Zinc oxide, 50 brls.
Cancelled entries: Apr. 27, 210 cwt. kauri gum; May 14, 109 cs. essential oils; May 23, 396 bgs. fenugreek-seed; May 25, 30 bls. sarsaparilla; June 29, 2,062; wood oil.
To Liverpool.
(September 3 to 8.)
Acetic acid, 26 brls.
Albumen, 240 cs.
Antimony, 14½ tons
Argol, 524 bgs.
Calcium borate, 8,059 bgs.
Celluloid, 24,537.
Chemical prod., unrated 20 cs. 3 brls.
Cream of tartar, 197 cs. 32 brls.
Cuttle-fish bone, 3 cs.
Dental goods, 99.
Drugs, unrated, 4 brls. 128 cs. 543 pkgs. 23 bxs. 5 cs. 29 crts. 6 cs. 371 bgs. 32.
Dyestuffs, unrated, 76 cs. 11 drms. 53 brls. dye extract, 165 cs. 75 brls.; instic liquor, 33 brls.; gambier, 536 cs.; log-wood ext., 198 cs. 50 brls.; myrabolans, 4,556 bgs.; quer. citron-bark, 560 bxs.; quercitron ext., 100 brls.; sumach, 325 bgs.; tanning ext., 1,752 cks. 314 brls.
Formaldehyde, 130 brls.
Galls, 100 cs.
Glycerin, ref., 80 drms.
Licorice paste, 75 cs.
Molasses, 300 tons
Nuts and kernels: arachis, 2,090 tons 4,569 bgs.; babassu kernels, 636 bgs.; copra, 1,978 bgs.; palm-kernels, 58,099 bgs. 303 tons
Oils, essential, 6 drms. 25 cs.
Oils, fixed: arachis, 1,000 cs.; cod, 1,000 cs.; fish, 1,000 cs.; palm, 6,346 cks. 14 butts 20 brls.; seal, 632 cs.; turpentine, 1,528 brls.; wood, 150 brls.
Potash, caustic, 62 drms.
Rosin, 5,766 brls.
Salicylic acid, 40 brls.
Salol, 11 cs.
Seeds (bgs.): castor, 4,522; cotton, 5,884
Soda ash, 155 brls.
Soda hypo., 200 kgs. 6 brls.
Soda nitrate, 36,808 bgs. 565 cks.
Soda perborate, 10 brls.
Soda salicylate, 10 kgs.
Sodium metal, 149 cs.
Sponge, 46 bls.
Starches, 50 brls. 18,975 bgs. 1,071 bls.; farina, 3,358 bgs.
Thorium and cerium nitrate, 34 cs.
Tonka-beans, 14 cks. 15 cs.
Vaseline, 58 cs. 12 cks.
Wax, bees', 545 pkgs. 8 bls.
Wax, carnauba, 560 bgs.
Wax, paraffin, 180 cs. 1,666 bgs.
Wax, vegetable, 8 cs.
Zinc oxide, 1,000 brls.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Retailers and Price-changes.

SIR.—It seems too much to hope that Mr. William Gill's suggestion about profitless proprietaries will be taken seriously until this generation of struggling chemists has made room for a virile-minded lot who will be wise enough to do what we ourselves know to be the correct thing to do. We "run" good lines in order to meet the expenses which are incurred by the renting, lighting, and staffing of our pharmacies for the purpose of doling out other people's proprietaries. United action would be splendid, but I have given up hoping for it and have gone on with the "ousting." "Dr. Brown" would not supply a bottle of "Dr. Robinson's" mixture, even if both doctors were so unwise as to do their own dispensing, but we (or most of us) do things that no baker or candlestick-maker would ever think of doing. Let us get rid of the "unseen hand" in our midst, even if it is "double strength," and so do something for purifying pharmacy by the time our fellow-craftsmen return from trench-life.

G. E. W. (128/49.)

SIR,—I agree with "Regulator" and Mr. Gill that Associations should take up the question of profits on proprietary articles. I suggest that every Retail Pharmacists' Association in the United Kingdom should hold meetings to consider this subject only. After arriving at some decision one member should be appointed a delegate to attend a meeting of delegates from all the Associations, and this latter meeting should be held in some central place like Liverpool. The members of every Association should be prepared to pledge themselves absolutely to abide by the final decision come to at the delegates' meeting. I think this method would be the quickest and least troublesome way of arriving at one definite policy to be pursued by every retailer in the United Kingdom in the handling of proprietary articles. I do not make any suggestion as to what form this policy should take, but it should be sufficiently drastic to bring about a revision that will pay us for handling the lines. Twenty per cent. is no use; it takes fully that in expenses actually to deal with the articles. We want something over and above that to live on. Further, chemists' articles should be confined to chemists, and not sold to ironmongers, drapers, etc., unless these have a regular drug-department. "Regulator" is right when he points out that every body of workers is looking for increased remuneration to meet present-day calls. This they do by united action, which brings their employers to a sense of fairness in allotting remuneration. We retailers are workers as far as the sales of proprietary articles are concerned, and the owners are our employers. Let us unite now, at once.

Yours faithfully,

GENTIAN. (129/1.)

To Manufacturers.

SIR.—One result of the war to which all Britishers are looking forward is a much-needed awakening of the manufacturers as regards pushing their goods in the world's markets—not, as in the past, by virtue of an established reputation, which may have answered years ago, before Germany and America sent out commercial men, but by direct representation by travellers who have been long associated in the respective businesses. I have been in the West Indies over twelve years, and have always been struck with the absence of British drug-trade travellers, and I do hope that these firms will realise it is worth their while to be well represented in our Colonies and other overseas countries. Of late years before the war America, Germany, and Canada have been gradually increasing their efforts to secure all classes of trade from these parts, and have met with a measure of success; their men on the road have been carefully selected and have always had that essential, "an inside knowledge of their business." Writing from memory, I can only think of two travellers of British drug firms who have ever called at any business I have been connected with in these parts; one of the firm's men I have seen twice in twelve years, and the other three or four times, and each time a different man. It is a very common thing out here for men (either home or local ones) who have been in various business-houses to give up their callings and take on the rôle of commission agents; they

are prepared to represent any class of goods, and usually include some class of firms who do business with chemists. I am sure the absurdity of the position will appeal to you when one of these agents, who in the past was a draper's or grocer's assistant, calls on a chemist and hands in a card of Messrs. "So-and-So," wholesale and manufacturing chemists and druggists. A few minutes' talk with the man reveals the fact that he knows absolutely nothing about the trade he is supposed to push, and he usually makes the needless remark that he knows very little of this branch of his commercial work. Our drug firms at home compare more than favourably with those of any other country, and I do hope that some of them will be "go-ahead" enough after the war to push their export trade for all it is worth, and this to-day can only be done by having, as other countries have, men who have been brought up in the business and know it from A to Z.—Yours faithfully,

BRITISHER, (123/15.)

Cantharides and other Drugs.

SIR,—The interesting notes of "Xrayser II." (*C. & D.*, September 8, p. 41) suggest the desirability of clearing up one or two obscure points concerning cantharides. So far it would appear as though the official drug was the one used by the physicians of the early part of the Christian era. This is most unlikely if we rely upon the statements of Pliny and Dioscorides, who both describe their cantharides as having transverse yellow bands. They also definitely say that insects of uniform colour are not so effective. Neither can the Buprestis of Dioscorides have been the *Cantharis vesicatoria*, because he says this insect is a species of cantharides, and he writes as though it were equally efficacious with the "cantharides," which he would scarcely have done if it had been of a uniform colour. Francis Adams thinks the Buprestis may have been our drug; Pereira thinks otherwise, and this latter view commends itself to me. There is no doubt the insect known in the first and second centuries as cantharides was a species of *Mylabris*. May I ask your contributor what references he has concerning the definite external use of this drug before the time of Augustus? A second note of "Xrayser II." seems to call for me to say that I only dealt with your inquirer's questions in such a way as to indicate what Pereira had in his mind when he compiled his vocabulary. His *Feronia* was not the lady who had her seat on Mount Soracte, but it was the *Feronia elephantum*, the elephant wood-apple of India, which yields a species of gum. *Helonias* was the *Helonias officinalis*, now known as *Schœnocaulon officinale*. *Malicorium* was an ordinary shop-name for pomegranate-rind, and *Melampodium* was the *Helleborus niger*, the black hellebore. Your contributor would find Pereira's own "Materia Medica" and "Gray's Supplement" much more useful than "Pharmacographia" in elucidating names of the early nineteenth century. If he had looked up Pereira's invaluable volumes even "Hebradendron" would not have "stumped" him. It was the generic name, as given in the Edinburgh and Dublin Pharmacopœias, for the tree yielding gamboge. *Saguerus* used to be the name of the genus to which one of the sago palms belongs.

Yours faithfully,

WILLIAM KIRKBY.

Dispensing Difficulties and Notes.

Extracts in Mixture.

SIR,—I should be glad if you will clear up the questions of the best way of dispensing the following mixture:

Ext. cascara	...	...	...	3iij.
Glycerini	...	...	...	3ij.
Ext. nuc. vom. ('98)	...	...	...	gr. viij.
Aquam ad	...	...	...	3vj.

3j. omni nocte.

I used spirit to dissolve the extracts. The patient said the mixture caused griping, and also stated that one chemist made it up by a decoction process.—Yours truly,

W. J. P. (123/23.)

[Place the two extracts, the glycerin, and an ounce of water in a basin and heat on a water-bath, stirring occasionally, till the extracts are dissolved; strain through muslin into a bottle; rinse the basin with the additional water required to make the mixture up to 6 oz. This is all the procedure necessary to make quite a nice mixture. Rectified spirit is unnecessary, and in these times its use is an extravagance. It is not surprising that the patient found the mixture griping. The quantity of extract of cascara prescribed to be taken is practically four times the pharmacopœial maximum dose.]

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Glycerin-substitute for Hair-lotions.

E. J. L. (104/29) writes: "I should like to know the experience of readers of the *C. & D.* as to the glycerin-substitutes for use in hair-lotions, and which is considered the most suitable; also whether anyone has had experience with Turkey-red oil for same purposes."

The "Script."

Mr. John Humphrey, 65 Park Road, Battersea Park, London, S.W. 11, will be glad if chemists having spare copies of the "Script" for September will send them to him. There is a shortage owing to the increase in the number of members of the Progressive Pharmacy Club.

A New Rendering of S.O.S.

"Since the advent of the lady assistant we get some curious translations of prescriptions," writes H. F. (191/20). "The other day the directions 'Coch. mag. pro dosis et s.o.s.' were rendered, 'One tablespoonful for a dose and save our souls.' I wonder what the patient would have thought if the error had not been detected before the bottle left the pharmacy."

Lotio Saponis Kalinus.

F. E. M. (123/34) writes: "Re the query for 'Lot. Saponis Kalinus, Leslie Roberts,' this is made by dissolving (equal parts) *sapo mollis virid.* B.P. in spt. vini rect. The best method to make the above is to warm gently the soap and S.V.R., afterwards making up to bulk—i.e., 8 oz. weight; equals about 6 oz. fluid. Leslie Roberts is a specialist, of Rodney Street, Liverpool."

Correct Names on Cheques.

Capsule (130/58) writes: "Many chemists do not realise the advantage of giving on cheques the correct names of the business houses with whom they deal. If a firm is called, say, R. F. Brown, why do so many people make their cheques payable to Messrs. R. F. Brown instead of 'R. F. Brown' only, or if they wish to be polite to 'Mr. R. F. Brown'? If the firm consists of one person only, and where this is indicated clearly by the name, a cheque made payable to Messrs. R. F. Brown requires a double endorsement—viz., R. F. and R. F. Brown or R. & F. Brown, and then the correct title 'R. F. Brown.' If my name is R. F. Brown, why do some people make their cheques payable to 'Brown & Co.,' or 'Brown & Sons,' or 'Brown Ltd.'?"

Put Back the Clock.

End of Summer Time, September 17 (England).

We can adjust our claim on Time,
And do so with a right good will;
Of conscience qualms there is no sign—
For slackened zeal is "off the bill."

In putting back our clock!

While we retard Old Time an hour,
Our enemies in spirit dour,
Their "progress" now sincerely rue,
Would willingly the past undo;
From calendar would blot three years,
Then weigh again their hopes and fears,

And—still put back their clock!

A. E. W. (91/19.)

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

E. O. (129/29).—ASSISTANT'S NOTICE.—The customary notice among retail chemists is one calendar month. Full details are given in the *C. & D. Diary*, 1917, p. 378, to which you should refer.

A. G. R. (127/52) engaged a *locum tenens* for three weeks. The man did not arrive until noon on the first day—Wednesday. Does the engagement terminate at noon on the following Wednesday fortnight or at the end of the preceding day? [In our opinion the fact that the man started work late upon the first day of his engagement would not affect its duration, and the engagement terminates at the end of the Tuesday fortnight following its commencement.]

C. E. (121/31) is lessee of a shop. He wants to put up another sign, take down his outside lamp, and raise his sunblind. Must he obtain his landlord's consent before

doing so? [Provided the proposed changes do not involve any alteration of or damage to the structure of the building, or the removal of any of the landlord's property, the sanction of the landlord need not, in our opinion, be obtained. On the other hand, the fittings may become the property of the landlord, unless an understanding is come to between the landlord and the tenant before they are affixed.]

G. W. S. (123/53).—NAMES OF COMPANIES' DIRECTORS.—A company registered before November 22, 1916, is required to send in particulars as to the nationality of its directors at the usual time for sending the annual returns to the Registrar of Companies. The form (No. 2F) which has to be filled in has space for the following particulars: (a) Present Christian name or names and surname, (b) any former Christian name or names or surname, (c) nationality, (d) nationality of origin (if other than the present nationality), (e) usual residence, (f) occupations. Another form (No. 5F) is used for the purpose of notifying alterations in the list of directors. The definition of "director" in the Companies (Particulars as to Directors) Act includes "any person who occupies the position of a director and any person in accordance with whose directions or instructions the directors of a company are accustomed to act."

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. S. (121/13).—RÜBÖL is German for rape or colza oil. We have not heard of its use in rheumatism.

Stryer (123/91).—MONOMET DEVELOPER.—It happens that the last few numbers of the "British Journal of Photography" have contained several formulæ for concentrated monomet developer. The following is recommended by one of the contributors, who testifies that it has proved its worth in actual trials with gas-light paper:

Monomet	...	12 gr.	192 gr.
Hydroquinone	...	30 gr.	480 gr.
Potassium bromide	...	4 gr.	64 gr.
Sodium sulphite	...	$\frac{1}{2}$ oz.	8 oz.
Sodium carbonate	...	1 oz.	1 lb.
Water to	...	10 oz.	to 1 gal.

For use 1 part is diluted with 4 parts of water.

W. J. P. (123/23).—SUGAR which has become contaminated with paraffin is difficult to purify, and the employment of such sugar in jam-making would probably militate against the use of the jam as food. You might make a small trial quantity of jam with the sugar and see whether the taste is perceptible.

M. D. (123/46).—PLANT-IDENTITY.—The specimen you send is *Solanum nigrum*, the common or garden nightshade. It is often mistaken for belladonna because of its black berries. The flowers, however, are white instead of purple, as in *Atropa Belladonna*, and several small black berries are found in a cluster instead of only one large one on a single stalk. As points in the identity of belladonna you should remember that the flower is dull purple in colour and bell-shaped, whereas the flower of the nightshade is small and resembles that of the potato in shape.

Mortar (129/55).—OLD MORTARS.—There is no book published on old mortars and pestles, so far as we are aware. Past volumes of THE CHEMIST AND DRUGGIST enshrine the most complete information on the subject which we know of. The following are references which you should look up: Corbyn's mortar, January 25, 1896, p. 164; Primrose mortar, September 23, 1899, p. 521; Miss Peacock's article on mortars, January 27, 1900; Chester mortar, September 13, 1902, p. 481; Mr. Davison's articles, January 31, 1903, p. 172, July 25, 1903, p. 152, January 2, 1904, p. 24, January 30, 1904, p. 197, and July 27, 1907, p. 155; French collections, July 30, 1904, p. 166, and January 25, 1905, p. 165; Maskew's collection, January 25, 1913, p. 162; Wellcome collection, August 2, 1913, p. 51; Rowed collection, January 31, 1914, p. 145. We also recommend a visit to the Wellcome Historical Medical Museum, 54A Wigmore Street, London, W., which, however, is closed during September.

J. C. C. (128/8).—PREPARATIONS DELETED FROM THE BRITISH PHARMACOPOEIA.—The only complete list of these that has been published is that given in the C. & D., August 4, p. 44. You could get these typed out to send to your local medical men; we do not intend issuing reprints of the list.

B. W. H. (129/53).—LIQUID METAL-POLISH.—The following formula has been given in the C. & D.:

Petroleum spirit	...	32 parts
Solution of ammonia	...	3 parts
Water	...	45 parts
Carbon tetrachloride	...	$6\frac{1}{2}$ parts
Diatomaceous earth	...	8 parts
White bole	...	4 parts
Chalk	...	8 parts

Mix well to form a cream.

J. K. & Co. (113/67).—THE MANUFACTURE OF STARCH FROM POTATOES is dealt with fairly fully in Thorpe's "Dictionary of Applied Chemistry." We are not acquainted with any modern book devoted to this subject.

C. S. & C. (75/38).—RESTORING LEATHER BINDINGS.—We have found that a small amount of soft paraffin rubbed into the leather bindings of books that have begun to crumble is the best treatment. Some bookbinders prefer white of egg, but in our experience this does not impart the suppleness desired.

H. F. T. (123/56).—DRY-SHAMPOO POWDER for use on a long-haired dog.—The basis for this may be powdered wood-pulp or pine sawdust, with or without an admixture of borax or salt. The powder is suitably perfumed with pine or sanitas oil.

F. O. (7/9).—ANTI-VERMIN VESTS.—The manufacture of these was described in the C. & D., June 23, p. 51.

J. M. (128/38).—NOVOCAINE is 1-*p*-aminobenzoyl-2-diethyl-aminooctane hydrochloride, the manufacture of which is controlled by patent 17162 of 1905. It is a local anæsthetic similar to cocaine, but is stated to be less toxic than other cocaine-substitutes.

G. H. B. (122/19).—URINE-TESTING.—The following are answers to your inquiries: (1) Do urates give a reaction with Fehling's solution? [There is a reaction between uric acid (and urates) and Fehling's solution, but, unless in very exceptional cases, it is negligible. It would never produce a pronounced reaction; at the worst it might make one suspect a trace of sugar when none is present. If such an occasion arises, when the reduction amounts to a slight milkiness and there has been no history of sugar, or you have some misgiving about the presence of sugar, it is well to adopt the scheme for elimination of interfering substances as set forth on p. 40 of "Practical Methods of Urine Analysis" (C. & D. Office, 2s. 6d.), or else resort to the test by phenylhydrazine hydrochloride described on p. 42. It is on account of the possible slight-reducing effect of other substances that you are advised not to exceed the volume of test-solution in adding the sample of urine, and not to prolong the boiling.] (2) Why should the urine be diluted if the presence of small quantities of sugar is suspected? [Do not dilute the sample if the sugar is present in small quantity.] (3) Is it necessary to boil Fehling's solution—if properly made—before using? [It is wise to follow the routine practice of boiling the Fehling's solution first, even though it is fresh, and not to add more than a corresponding volume of the sample to be tested.]

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 14, 1867.

British Pharmaceutical Conference.

The following is an extract from the address of the President, Professor Bentley:

"Independently of the value of botany as a healthful and agreeable recreation, there is an innate gratification, a peculiar pleasure, which all men with properly regulated minds must feel when contemplating and studying the most beautiful of God's works, for 'even Solomon in all his glory was not arrayed like one of these.' Perhaps there is no study that is better adapted than that of botany for such a purpose, for the objects of which it treats are constantly before us, and their study is, therefore, within the reach of all. We can contemplate their beauty; study their structure; investigate the laws by which they are enabled to live, grow, and propagate themselves; see how admirably adapted they are to meet the varying conditions under which they are placed; and learn the mutual interchanges which take place between them and the inorganic world on the one hand, and the animal creation on the other. None but those of the most depraved minds could derive anything from such a study as this but that which was pure and lovely."

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These products are made by the Ammonia Process, and are distinguished from others by their great purity.

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of
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This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

**Concentrated
Crystal
Soda.**

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

**Pure Alkali.
58 Degrees.**

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

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Formaldehyde, 40%, 4 cwt. barrels @ cwt.; 7 lbs. @ 1½ lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 10/- cwt.; 1 cwt. @ 11/-.

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Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin, Opt. D.D., 1.250 P.B., @ cwt.
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" Acid. Carbolic, P.B., 6 lbs. @ lb.
" Acid. Tannic, P.B., 6 lbs. @ lb.
" Belladon. B.P.C., 6 lbs. @ lb.; 1 lb. @ lb.
***Glycerin**, Boracic, P.B., 6 lbs. @ lb.
" Pepsin Acid, P.B., 1 lb. @ lb.
" Plumbi Subacet., P.B., 6 lbs. @ lb.

Gualacal Carb., 1 lb. @ 160/- lb.
Gualacal, pure, 1 lb. @ 130/- lb.
Gum Acacia sorts, 3 cwt. @ 92/6 cwt.; 1 cwt. @ 95/- cwt.; 7 lbs. @ 1½ lb.; English Ground Powder, No. 1, 1 cwt. @ 150/- cwt.; 7 lbs. @ 17/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 13/6 lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/9 lb.; 7 lbs. @ 1/11 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1½ lb.
Gum Guaiaci, 1 cwt. @ 1/6 lb.; 28 lbs. @ 2/8 lb.
Gum Juniper, 14 lbs. @ 1/11 lb.
Gum Thust, 2½ cwt. @ 50/- cwt.; 28 lbs. @ 54/- cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 10/- lb.; 1 lb. @ 11/- lb.

***Heading** (Frothing Ess.), 5 lbs. @ 1/9 lb.
Heliotropine, 1 lb. @ 30/- lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 52/6 cwt.
Hexamethylenetetramine, 7 lbs. @ 4/9 lb.; 1 lb. @ 5/- lb.
Honey, Jamaica, 28 lbs. @ 1/1 lb.
Hydrargyrum, P.B., 10 lbs. @ 7/6 lb.; 1 lb. @ 7/10 lb.; Ammon., 28 lbs. @ 8/4 lb.; o. Creta, 28 lbs. @ 2/10 lb.; Iodid. Rub. 28 lbs. @ 12/8 lb.; Oxid. Rub., 28 lbs. @ 8/4 lb.; Perchlor., Lump, 28 lbs. @ 8/1 lb.; Subchlor. 28 lbs. @ 7/10 lb.; Sulph. c Sulph., 28 lbs. @ 7/4 lb.; 7-lb. quantities 1d. lb. extra. 8-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydroknone, 1 lb. @ 16/- lb.

Ichthylol Ammon. chemical equivalent: Ammon-Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
***Inf.** Aurant. Conc., 1 to 7, 6 lbs. @ 1/10 lb.
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" Buchu Conc., 1 to 7, 6 lbs. @ 3/1 lb.
" Calumbæ Conc., 1 to 7, 6 lbs. @ 1/4 lb.
" Caryoph. Conc., 1 to 7, 6 lbs. @ 1/5 lb.
" Cascarella Conc., 1 to 7, 6 lbs. @ 1/7 lb.
" Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/11 lb.
" Gentianæ Co., 1 to 7, 6 lbs. @ 1/4 lb.
" Quassia Conc., 1 to 7, 6 lbs. @ 1/- lb.
" Rhei Conc., 1 to 7, 6 lbs. @ 1/10 lb.
" Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/11 lb.
" Senegæ Conc., 1 to 7, 6 lbs. @ 2/10 lb.
" Valerian Conc., 1 to 7, 6 lbs. @ 1/10 lb.

Insect Powder, Opt., English Grd., closed flowers, 7 lbs. @ 3/- lb.; English Ground, † closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/10 lb.
Iodoform Pulv. B.P., 7 lbs. @ 18/- lb.; 1 lb. @ 18/6 lb.
Iodum, resub. B.P., 7 lbs. @ 14/11 lb.; 1 lb. @ 15/8 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ lb.; sifted, pes lb.

Lapls Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.

Licorice Juice, Sticks, 1 cwt. @ cwt.; 28 lbs. @ lb.; 7 lbs. @ lb.
***Lin.** Aconitū Meth., 5 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.

" Bellad. Meth., 5 lbs. @ 8/8 lb.; 1 lb. @ 9/- lb.
" Camph. P.B., 9 lbs. @ 1/9½ lb.
" Sapo Meth., 9 lbs. @ 1/4 lb.

" Terreb. Acet., B.P., 5 lbs. @ 1/3 lb.
Linseed c. Oil, Crushed, 3 cwt. @ 44/- cwt.; 1 cwt. @ 46/- cwt.

***Liq.** Ammonii Acetatis Conc. 1-7, 6 lbs. @ 1/5 lb.; 1 lb. @ 1/9 lb.

" Ammon. Aromat., 6 lbs. @ 11d. lb.
" Antim. Chlor. Pure, 8 lbs. @ 10d. lb.

" Arsenicalis, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.
" Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.

" Bismuth. P.B., 6 lbs. @ 1/7 lb.
" Copaiba Buchu et Cubeb. 5 lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.

" Easton, p.s. 1-3, B.P., 1 lb. @ 5/6 lb.
" Ferri Dialysatus, 6 lbs. @ 1/7 lb.

" Ferri Iod. p.s., 1-7, 1 lb. @ 7/3 lb.
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" Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/7 lb.
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" Hypophosph. Co., p.s., B.P.C., 1 lb. @ 4/4 lb.
" Iodi Fort. B.P., 5 lbs. @ 7/4 lb.

" Morphina Acet. or Hydrochlor., P.B., 6 lbs. @ 4/4 lb.
" Opit Sed., 5 lbs. @ 7/9 lb.

" Plumbi Subacet., P.B., 7 lbs. @ 7d. lb.
" Pruni Virg. p.s. 1-7, 5 lbs. @ 2/10 lb.

" Rhæados pro Syr. 1 to 7, 5 lbs. @ 2/9 lb.
" Rhæf. p.s., 1-7, 5 lbs. @ 2 lb.

" Santali Co., 1 lb. @ 5/6 lb.
" Sennæ Dulc. 6 lbs. @ 1/9 lb.

" Sennæ pro Syr. 1-7, 5 lbs. @ 3/5 lb.
" Strychnina Hyd. P.B., 6 lbs. @ 2/2 lb.

" Tolut. pro Syr. 1-7, 6 lbs. @ 2/- lb.
" Trinitrin, B.P., 1 lb. @ 8/3 lb.

Lithia Carb. B.P., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.
" Citras, B.P., 28 lbs. @ 6/4 lb.; 7 lbs. @ 6/7 lb.; pulv., 3d. lb. extra.

Lycopodium, 7 lbs. @ 7/9 lb.
Mag. Calc. Leviss., 1 lb. @ 2/10 lb.

Mag. Calc. Pond., 7 lbs. @ 3/6 lb.; 1 lb. @ 3/10 lb.
Mag. Carb. Pond., 7 lbs. @ 11d. lb.

Mag. Carb. Leviss., 1 cwt. @ ; 7 lbs. @ 1/3 lb.
Mag. Cit. Gran., 28 lbs. @ lb.; 6 lbs. @ 2/1 lb.

Mag. Sulph., fine druggists', B.P., 1 cwt. @ 30/6 lb.; 28 lbs. @ 4d. lb.
Manna, Flake, 14 lbs. @ 6/- lb.; 7 lbs. @ 6/2 lb.; 1 lb. @ 6/9 lb.

Menthol, dry white cryst., 60 lbs. @ 14/- lb.; 5 lbs. @ 14/8 lb.

***Mist. Sennæ Comp.**, B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.

Morphina Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 16/- oz.; 16 oz. @ 16/6 oz.; 8 oz. @ 16/9 oz.; 1 oz. @ 17/6 oz.; Pus.

Præcip. Bimeconate or Tart., 1 oz. @ 21/6 oz.
Morphina Diacet., 4 oz. @ 35/- oz.; 1 oz. @ 35/6 oz.; Hydrochlor., 6d. per oz. less.

Myrrh, Gum, English Ground, 28 lbs. @ 2/2 lb.; 7 lbs. @ 2/6 lb.

Naphthalene, Candles, 7 lbs. @ 10½d. lb.
Nux Arca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 108/- cwt.; 7 lbs. @ 1/2 lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 3/1½ lb.
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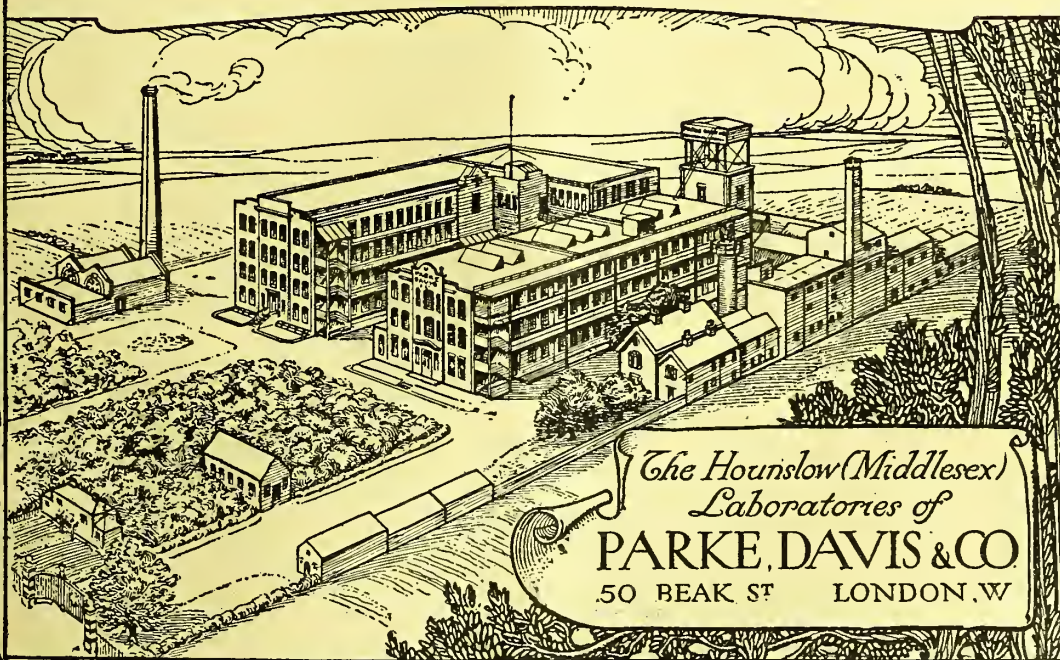
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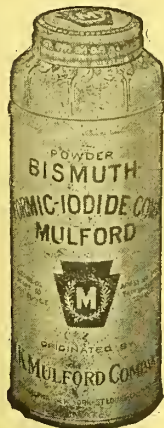
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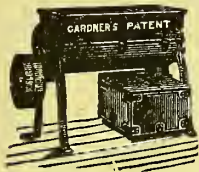
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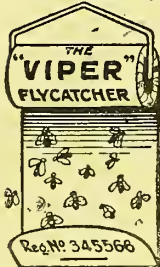
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AIR CUSHIONS.

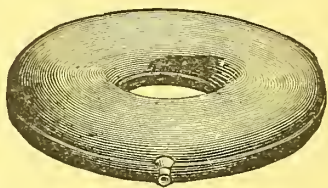


Fig. 1194.

Fig. 1194.—The “EMPIRE,” red India-rubber Air Cushion—

	14	15	16	17	18	19	20 in.
Diameter							
Each ...	6 6	7 0	8 0	8 6	10 0	11 6	12 6

Fig. 1354.—Air Cushion, sateen covered, reeded	...	...	Sizes	14×10	15×12	18×14 in.
			Each	4 3	4 9	6 0

Special Line.	—Khaki-covered Pillow, 17×12 in., in khaki case, with clasp	each	4 6
	" " " "	" "	super quality	6 0

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
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**Registered
Trade Mark, 
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none are genuine.
No. 182,688.**

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No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

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Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

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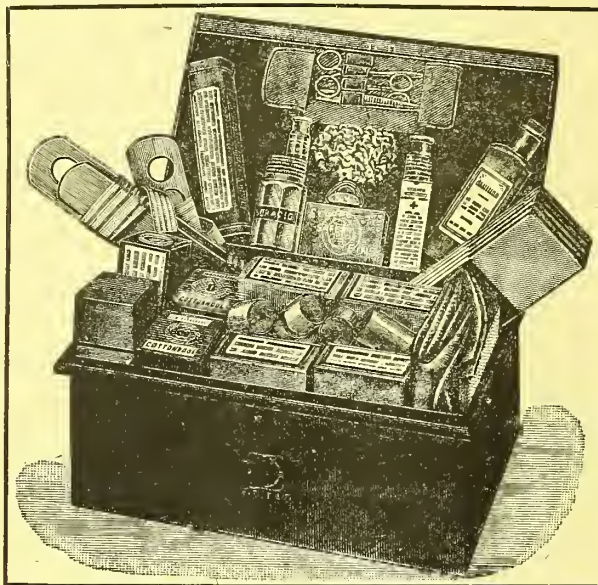
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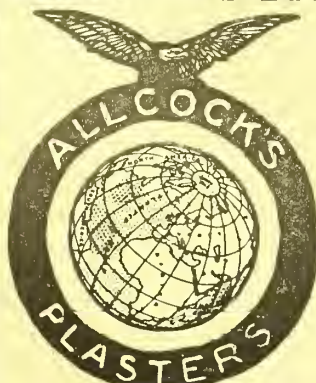
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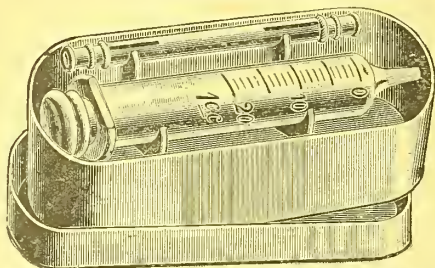
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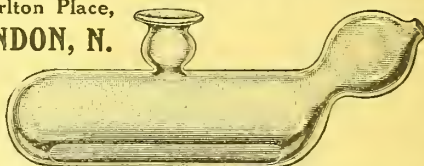
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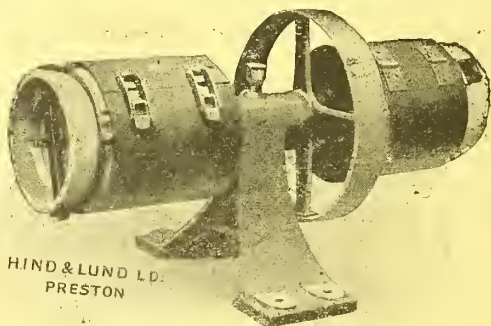
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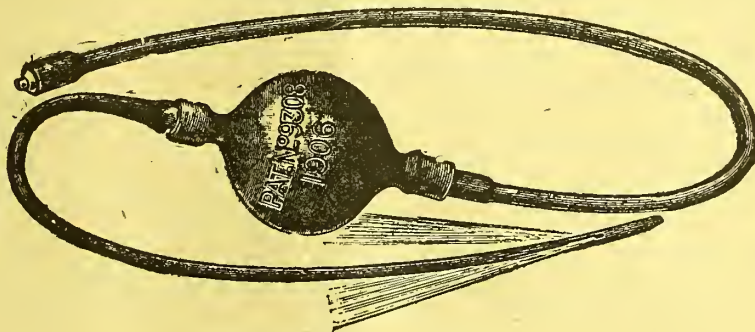
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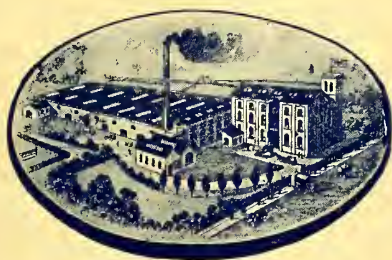
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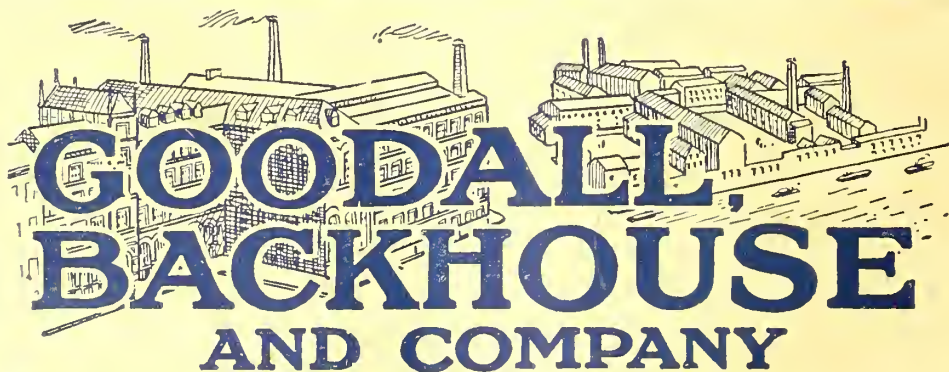
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SATURDAY, SEPTEMBER 15, 1917

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FOR Sale as a going concern, well-established Chemist's Business in Blackpool; present takings average over £1,000 per year. Apply John Potter, Incorporated Accountant, 34 Birley Street, Blackpool.

TO CHEMISTS.

OWING to the retirement from business of the Owner, there is now for Sale the Stock-in-Trade and Goodwill of a high-class Chemist and Druggist Business in a county town in the South of Scotland; easy ingoing. Apply Jas. W. Whitelaw & Edgar, Solicitors, Dumfries.

RETIREMENT caused by continued ill-health.—Parson O. Baker, 1 Mountfield Road, N. 3, is instructed to sell, for value of stock and fixtures only, prosperous Suburban Business, N.; returns over £1,000; scope for large extensions; scant opposition; small expenses; rent £38; good house; healthy district.

THROUGH death, a fine Chemist's Shop and House, Fixtures, and Stock at Kirkdale, Sydenham; a nice neighbourhood; rent £55 per annum; lease 7 or 14 years. Apply by letter to W. Randolph Wykes, 52a Sidney Road, St. Margarets, Twickenham.

FOR SALE.

BALANCES made by Becker's Sons, Rotterdam, in perfect condition, to be disposed of; no weights; a bargain to Pharmacists or Laboratory Chemists. Offers to 78/55, Office of this Paper.

BEST offers for 1 x 1 lb. bottle Ol. Lavand. Ang., 1 x 2 lb. ditto, Meggeson's Sealed, Old; 1 oz. Otto Roscoe Virg. (1/2 of a 2 oz. in original bottle); Screw Suppository Mould for 12 x 15 grain; ditto for 6 x 60 grain; both new. C. H. C. Pitt, 15 St. Stephen's Road, Norwich.

FOR Sale, 8 Elevators; 1 upper, 1 lower Elliott's Universals; 5 Cutting Forceps; 20 upper and lower Forceps; 1 case containing 15 Forceps; 6 lb. Aluminium Bar; 12 upper Impression Trays; 9 lower Impression Trays; 1 pair Tweezers. What offers? Charuley's Dental Rooms, Princess Street, Bury.

NATIONAL Cash Register for Sale (second-hand); suitable for any business; prints all details. Write for full particulars and price to F. Smith, 50 Thackeray Buildings, Herbrand Street, W.C. 1.

3 DOZ. 1s. Shaving Sticks, 10s.; 4 oz. 5 gr. B.P. Phenazone Tabs., 11s.; 1 lb. Lithia Cit., 6s.; 5 oz. Phenazone Pulv., 17s.; 1 lb. Bismuth Trisint, 10s.; 1 lb. Menthol, 13s. 6d.; 10 lb. Arrowroot Opt., 6s. 6d.; 4 oz. Vanillin, 8s. 6d.; 6 oz. Sodii Iodid., 5s.; 8 oz. Salol, 5s.; 1 lb. Soda Cit., 4s. 10d.; 2 lb. Acid. Cit. Crystals, 6s.; 2 lb. Iron Lactate, 3s.; 1 lb. Pot. Permang., 20s.; 2 lb. Calcii Hypophos., 7s.; 1 gall. Ol. Morrhuæ, 16s.; 4 oz. Iodine Resub., 3s. 10d.; 28 lb. Dextrine, 14s.; 6 lb. Acid. Tart. Pulv., 18s.; 2 lb. Ol. Pulegii, 10s.; 3 lb. Ol. Citronellæ, 6s.; 2 lb. Ol. Cajup., 8s. B., Chemist, 97 Borough High Street, S.E. 1.

AGENCIES.

ADVERTISER wishes to thank the many gentlemen who offered their services as Agent; those who have not received any reply must conclude that the ground offered is already covered. 111/29, The Red Band Chemical Co.

MANUFACTURING firm is open to appoint Agencies in India and the Far East for the sale of Synthetic Perfumery materials, Essential Oils, and Pharmaceutical Chemicals. Apply, with full particulars, 127/8, Office of this Paper.

TENDERS.

GU'S HOSPITAL, S.E. 1. DRUGS.

The House Committee invite Tenders for the supply of Drugs, for prompt delivery. A list of these, with further particulars and form of Tender, may be obtained on application at the Superintendent's Office. Tenders, duly sealed, are to be sent to the Superintendent's Office not later than twelve noon on Saturday, September 22, 1917.

TO LET.

SHOP, d.f. Chemist's; completely and well-fitted; established over 20 years; just off Clapton Common, N.; chance to pick up good business cheap; rent £60. Owners, 160 Stoke Newington Road, N.

FINANCIAL.

DIRECTOR required, who will invest £3,000 either in Ordinary shares, taking half profits, or in Preference shares with one-third profits, in a Company taking over the sole selling rights for India, the East, Australia, and New Zealand of an Antiseptic Drug which has been selling successfully in England for some years (on its merits with very little advertising) in Ointment, Embrocation, Pastille, and Liquid form; exported in concentrated form; occupies practically no space; margin of profit excellent. Particulars from Arnold & Co. (London), Ltd., 143 Cannon Street, E.C.

BUSINESSES WANTED.

BUSINESS wanted; returns about £40 per week; in good working-class neighbourhood preferred, shopping district, London. Full particulars first letter, in absolute confidence, to "Coda" (81/1), Office of this Paper.

APPRENTICESHIPS.

A PHARMACIST wishes to place his son, aged 17, with a first-class firm of Dispensing Chemists, where he will have every opportunity of gaining a thorough knowledge of the business indoors and a certain amount of supervision after business hours desirable. M.P.S., 88 St. George's Road, Brighton.

APPRENTICE or Improver, an opening for either gentleman or lady. For particulars apply to Mr. Thresh, Pharmacist, Buxton.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

BIRMINGHAM.—Manager (qualified) required; quick Retail and Dispensing; ineligible or C3. State experience and salary required, Wilkins, 359 Birchfield Road, Perry Barr.

BLACKPOOL.—Wanted, an active, qualified Manager to live in house; ineligible. State age, experience, and salary required to R. Needham, Chemist, Stalybridge.

BROADSTAIRS.—A competent Assistant required; ineligible for military service; must be a reliable Dispenser; state age, height, salary, and full particulars. Julian Horrell, Chemist, Broadstairs.

CARDIFF.—Qualified Assistant required as temporary or permanent Manager. Duck & Son, Chemists, Cardiff.

CHESHIRE.—Good Assistant required for Light Cash Retail in country town; outdoors; hours 54 per week, excluding meal times; good salary to suitable gentleman; need not be registered if competent to take charge for a day occasionally. Photo, salary required, age, height, and particulars of experience to Young, Chemist, Nantwich.

DARTFORD KENT.—Good opening for smart, capable lady Dispenser; must have had good experience. State salary required and when at liberty. Apply 81/204, Office of this Paper.

DOVER.—Wanted, a competent Assistant, lady or gentleman, for National Insurance Dispensing and middle-class Retail. Forster, Chemist, Dover.

GREAT YARMOUTH.—Wanted, a young lady (Hall certificate) to act as Junior Dispenser to firm of Surgeons; must have had experience. Apply, with photo, stating terms, age, etc., to F. Stuart, c/o Messrs. Wyllys, Wyllys & Ley, 25 King Street, Great Yarmouth.

HULL.—Wanted, Assistant (outdoors) with Dispensing experience; ineligible for the Army. State particulars and salary to S. T. Kirton, Dispensing Chemist, 53 Savile Street, Hull.

HULL.—Wanted, a qualified Assistant for Light N.H.I. Dispensing and part assistance at Retail Counter; state salary and when disengaged; easy hours. Apply 74/29, Office of this Paper.

KILLAMARSH (DERBYSHIRE).—Qualified Manager wanted, with a view to purchase, but not essential; Light Retail, small N.H.I. Dispensing, and good sound country business, with nice Shop and House attached, in the best position in a growing neighbourhood. Apply H. G. Fletcher, Chemist, Eckington.

LANCASHIRE.—Qualified and unqualified (married) Managers wanted; qualified one to handle N.H.I., Shipping, and General Retail; a direct interest in business after proving ability. Unqualified Managing Assistant for General Retail; good houses in both cases; salary £3 12s. 6d. and £2 2s. Please give full particulars, age, family, last employers, when at liberty, 82/220, Office of this Paper.

LIVERPOOL.—Wanted, lady Dispenser with good experience required for high-class Dispensing business; no Sunday duty; permanency. Also lady Assistant; Counter knowledge essential, and some Dispensing experience. Apply, stating salary and usual particulars, G. H. Cole, Pharmacist, Blundellsands, Liverpool.

LONDON.—Assistant; qualified; permanency, or with view to early succession; N.H.I. and steady Ready-money Retail; elderly man would suit if capable, or lady. Ling, Pharmacist, 281 Hackney Road, N.E.

LONDON, FINCHLEY.—Lady Assistant wanted for Dispensing and Counter in good-class business; hours 9.30 to 7.30, Thursdays 1 o'clock, no Sunday duty. State age, height, experience, salary required (outdoors), and enclose photo, to 83/27, Office of this Paper.

LONDON SUBURB.—Wanted for beginning of October, an experienced and reliable Assistant for N.H.I. Dispensing and quick Cash Retail; must be well recommended. Apply to Davy, Chemist, Edmonton, N.

LONDON, E.C.—Wanted, smart youth for good-class City business; ineligible for Army if over 18 years; easy hours; good wages. Chemist, 3 Queen Street, Cheapside, E.C.

LONDON, N.W.—An Assistant required in good-class business; whole or part-time. Address, with usual particulars, Stevens, 38 Heath Street, Hampstead, N.W.

LONDON, N.W.—Manager, qualified, for Cash business (ineligible); easy hours; no Sunday duty; no Optics; with or without rooms; good salary to active, suitable man. Also Assistant, outdoors, lady or gentleman, for Dispensing business in West End, with some knowledge of Bookkeeping. Apply, stating age, salary required, to 132/27, Office of this Paper.

LONDON, S.W.—Assistant wanted, with good all-round experience, not eligible for the Army. Please state age, experience, references, salary required, and when disengaged (outdoors), to "P. C. A.," 189 Wandsworth Road, S.W.

LONDON, W.—Assistant or Locum wanted by September 17 for a few weeks; Dispensing and good-class Retail. State references and salary required, Harold Lyon, 18 Formosa Street, W.

LONDON, W.C.—Assistant wanted, accustomed to good-class Retail and Dispensing; qualified preferred; outdoors. Burden & Co., 41 Store Street, Bedford Square.

LONDON, W.—A really excellent opportunity occurs for a permanent and improving position for smart, up-to-date man in one of the leading West End businesses; must be qualified and accustomed to first-class business. Apply "T. A. D." (83/130), Office of this Paper.

LONDON, W.—Wanted, a first-class qualified Assistant as Under Manager for a leading West End firm; excellent salary and good prospects for a really good man. Apply, giving experience and all details, to "R. A. F." (83/13), Office of this Paper.

MANCHESTER.—Young lady, with some Counter and General experience, required for Chemist's establishment situate in working-class district; comfortable; permanency. "Manchester" 81/203, Office of this Paper.

MANCHESTER.—Assistant; male or female; unqualified; ineligible; must be well recommended; good wages. Write to M., c/o J. Woolley, Sons & Co., Victoria Bridge, Manchester.

MANCHESTER.—An experienced and competent Assistant wanted for good-class Retail and Dispensing business; good prospects for an energetic man. Apply, with full particulars, to Edwards, Pharmaceutical Chemist, Fallowfield.

MANCHESTER.—Wanted for small branch, unqualified, middle-aged or elderly, if active. Give full particulars in first letter, stating salary required (outdoors), "Manager" (82/34), Office of this Paper.

MANCHESTER DISTRICT.—Wanted for good-class Dispensing and Retail business, a qualified Manager (outdoors) for Branch; lady or gentleman. Also lady Dispenser (Hall qualification preferred) with a little Counter experience. Apply, stating references, salary, etc., to I. & W. Woodruff, Chemists, Cheshire, Cheshire.

MIDLANDS.—Dispenser, unqualified, in good-class Store business where several Assistants employed; easy hours; half-holiday and one afternoon weekly; no night or Sunday duty. Applications, giving particulars of experience, age, and salary required, invited from ladies, or gentlemen ineligible for military service. Apply 82/6, Office of this Paper.

MILFORD HAVEN.—Assistant required; must be good Counter-man; discharge from Army preferred; permanency. Johnson, Chemist, Milford Haven.

NEAR BIRMINGHAM.—Qualified Manager required for Light Retail and Dispensing business; good agreement, with interest in the profits, offered to a smart and energetic man. State age, whether married, salary required, and when at liberty, "Midland" (81/202), Office of this Paper.

REDHILL, SURREY.—Assistant, ineligible or lady, for good-class Retail and Dispensing business; easy hours; thoroughly reliable, and accustomed to up-to-date Pharmacy; permanency. Full particulars and salary required (outdoors), photo if possible, to Fowler & Co., Pharmaceutical Chemists, Redhill.

SHREWSBURY.—Assistant; outdoors; lady with about one year's experience in Chemist's shop will suit; close Monday, Tuesday, Wednesday 7, Thursday 1 p.m., Friday 8 p.m., Saturday 9 p.m.; no extra duty; please state in first letter where experience has been obtained and salary required, also age. Apply A. Williams, M.P.S., Castle Street, Shrewsbury.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHSEA.—Unqualified Assistant required; good experience Dispensing, Counter, Photographic; ineligible. State salary required (indoors), references, etc., first letter, to Cruise & Co., Ltd., The Strand, Southsea.

THE SOUTH LONDON HOSPITAL FOR WOMEN.—Assistant Dispenser required for Out-Patient Department, Newington Causeway, S.E.; salary 30s. weekly. Applications, stating age, qualifications, and experience, together with copies of testimonials, to be forwarded immediately to the Secretary at the Hospital, South Side, Clapham Common, S.W. 4.

WEST RIDING (YORKS).—Qualified Manager required for business situate in a suburb of Leeds; good house attached; good agreement with liberal interest in the profits offered. "Leeds" (81/201), Office of this Paper.

WOLVERHAMPTON AND STAFFORDSHIRE GENERAL HOSPITAL.—Qualified Assistant Dispenser (temporary) wanted immediately. Apply, stating age, experience, and salary required to W. H. Harper, House Governor and Secretary.

WORCESTER.—Dispenser (lady or gentleman) with good experience required. State age, references, salary required, etc., Anderson & Virgo, Chemists, Worcester.

YORKS (WEST RIDING).—Good opening presents itself for a smart, capable, unqualified male Assistant; one who has been rejected or is above military age preferred. "H. B." (81/200), Office of this Paper.

ASSISTANT, lady or gentleman (ineligible for Army), for good-class Light Retail and Dispensing country business; hours 8.15-7.15 p.m., 1 o'clock Wednesdays, 8-9 Saturdays; pretty and healthy district; required at once. Apply, with usual particulars, to Ridley, Ph. Chemist, Tenterden, Kent.

ASSISTANT; outdoors; used to high-class business; exempt or over-military age. Apply personally, or if by letter state age, height, salary required, and enclose photo (duty shared by three), Hooper, Stave & Co., Ltd., 26 Davies Street, London, W. 1.

ASSISTANT; outdoors; good experience Dispensing, Prescribing, and considerable Counter. Full particulars, salary, etc., Frost, Chemist, 143 High Street, Sutton, Surrey.

ASSISTANT.—Vacancy will occur shortly for experienced unqualified Assistant in medium-class Cash business; must be reliable Dispenser, tactful Counterman, under 50, and ineligible for Army; easy hours; light duties; good salary and prospects to right man. Age, height, references, etc., to "Chemist," 14 The Parade, Upper Tooting Road, S.W. 17.

ASSISTANT; outdoors; lady or ineligible. Workman, 9 Church Lane, Leytonstone.

BRANCH Manager wanted at once; must be over military age or ineligible; please apply, in the first instance, by letter, stating salary required, when disengaged, and enclosing, if possible, recent photograph. Apply 83/26, Office of this Paper.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, ability in Pharmacy and Dentistry, if any, salary required, when disengaged, references, photo, Foster, "Lydale," London Road, Portsmouth.

COMPETENT young lady required at once, principally for Dispensing; outdoors; no Sunday duty; commodious premises; no heavy trade; must be quick Dispenser and have Counter experience. Apply, with all particulars, stating experience and salary required, to Fredk. B. Siegh, Chemist, Willenhall, Staffs.

COMPETENT Assistant for good-class Counter and Dispensing business. Hickman & Metcalf, Market Place, Newbury.

DISPENSER (Apothecaries' Hall) wanted; lady; average time of duties 3 to 4 hours daily. State age, salary required (indoors), experience, and references to Secretary, Throat and Ear Hospital, Church Street, Brighton.

DOCTOR requires Dispenser, lady or gentleman (if latter ineligible), for non-panel practice. Apply, stating age, experience, and salary required, to Dr. Williams, Römer House, Canterbury.

EXPERIENCED Assistant wanted for a City business; outdoors; Dispensing and General Retail; hours short; no Saturday afternoon or Sunday duty; liberal salary. Apply 84/10, Office of this Paper.

IMMEDIATELY; qualified Manager wanted, lady or gentleman, for good-class suburban business near London; liberal salary; must have good references. Apply 132/28, Office of this Paper.

LADY Dispenser for South Coast business; no Counter work. State previous experience and other particulars to "Saturn" (73/28), Office of this Paper.

MANAGER (qualified) wanted for high-class Departmental Store, gentlemanly man, to take full charge of Drug Department; accustomed to modern trade; good Salesman, keen Buyer; short hours; no Sunday duties. Full particulars to Cater, Stoffell & Fortt, Ltd., Bath.

MANAGER; qualified, experienced, and energetic; £3 10s. per week and house; share profits; over military age or ineligible; permanency. "London" (81/2), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME; two hours each evening in good-class Retail business in Western suburb; extra time with increased remuneration could be arranged if desired. Full particulars, with salary required, to 83/14, Office of this Paper.

RELIABLE, competent assistance required by Owner of old-established, good middle-class Business in London, main road, with a view to interest or succession; rare opportunity for good man to acquire a good thing; hours 9-8, Thursdays 1 o'clock, Saturdays 9 o'clock, no Sunday duty. Write full particulars re age, experience, commencing salary desired, 82/21, Office of this Paper.

SALESMAN and Dispenser wanted; unqualified; must be ineligible or over military age. Apply, personally or by letter, stating salary required, when disengaged, and enclosing, if possible, recent photograph, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

SURGICAL Instrument Business Assistant for front shop. Address, stating age, wages expected, and duties accustomed to, Box "Surgical," Lee & Nightingale, Liverpool.

TEMPORARY Junior; lady or gentleman; must be competent Dispenser. Hart, Chemist, Ross.

TEMPORARY Assistant required for one month, commencing about September 23; light duties; outdoors. Please give references, age, and salary required, The Pharmacy, Brownhills, near Walsall.

WANTED, lady or gentleman, fully qualified, for good-class Business; Counter and Dispensing. Write, stating salary, etc., to Longman, Littlehampton.

WANTED, qualified Assistant for high-class Retail and Dispensing business; if male must be ineligible for military service; good salary would be offered to suitable applicant. Apply, stating previous experience and salary required, to "North Country," c/o Thomas Tyrer, Ltd., Stirling Chemical Works, Stratford, London, E.

WANTED, part-time Assistant one evening a week; lady or gentleman; unqualified or Hall. Apply S. S., 436 High Road, Streatham, S.W.

WANTED, qualified Manager; good chance of progress; good house to live in; assistance given; state salary required. Apply or write to Meacher's, 61 Stroud Green Road, London, N.

WANTED by September 24, Locum for a fortnight; in- or outdoors; Assistant kept. Please state full particulars, L. Arden, Pharmaceutical Chemist, Winchester.

WANTED at once, lady Dispenser as Locum. Apply Dr. Tonkin, 740 Fulham Road, S.W.

WANTED, Assistant in busy Pharmacy; medium and working class; lady or gent; one with some knowledge, desiring to improve; state wages. Sheard, Pharmacist, Morley.

WHOLESALE.

LONDON.—Competent Dry Counter hand with good experience; ineligible for or retired from military service; wages 35s. Apply, stating full particulars, to 84/13, Office of this Paper.

A LEADING firm of Wholesale Druggists have an opening in their Continental Department for an Englishman who speaks French and has a good knowledge of the trade. Write, giving age, experience, etc., to "T." (132/26), Office of this Paper.

A VACANCY occurs for a competent gentleman to assist in a large Wholesale Surgical Instrument business in the provinces; must be fully acquainted with Surgical Instruments and Orthopedic work. Apply, stating age, full particulars as to experience, etc., and salary required, in confidence, to 129/72, Office of this Paper.

ASSISTANT wanted for small Speciality Warehouse; previous experience not essential; 50s. per week. R., 54 St. John's Wood Road, N.W.

COUNTER hands for Wet and Dry Floors; also Packers. Apply, with particulars, to 131/33, Office of this Paper.

DRUGGISTS' SUNDRIES.—Assistant of either sex, with some knowledge of Sundries and Instruments, required by London Wholesale Druggists. Apply by letter in first instance, stating salary required, to "Globe" (84/12), Office of this Paper.

DRY Counter hand (Senior), also Wet Counter hands, wanted at once. Apply by letter, stating age, previous engagements, and salary required, to "Export" (131/49), Office of this Paper.

LABORATORY.—Wanted at once by London house, Assistants to manufacture Galenicals. Apply by letter, stating previous engagements, age, and wages required, to "Hentane" (131/490), Office of this Paper.

MAN with experience in Steam Laboratory wanted in London Drug House; must be ineligible for military service. State age, wage, previous employment, and if disengaged, to 84/6, Office of this Paper.

PHOTOGRAPHIC.—Watson's, The Camera House, Sheffield, require a first-class Assistant used to the Photographic trade and the handling of high-class Cameras; a great opportunity of quick advancement is offered and a permanent position; must be medically unfit or discharged soldier; salary £2 to £3, according to experience, and excellent prospects guaranteed to ambitious man. State experience in full, with salary required, and enclose photograph if possible.

REQUIRED by a Wholesale firm, a man accustomed to checking orders and to make himself generally useful in the warehouse; permanency; state experience and wages. Apply 81/35, Office of this Paper.

REQUIRED, experienced Export Clerk by a firm of Wholesale Druggists; candidate must be medically unfit for or discharged from the Army; good salary to competent man. Apply 132/11, Office of this Paper.

TABLET DEPARTMENT.—Very large firm of Manufacturing Chemists in the Midlands require a Foreman in the Compressing Section; must possess sound experience in the working of Tablet Machinery. Apply, with full particulars, in confidence, to Chemist, Box 417, Smith's Advertising Agency, Ltd., 100 Fleet Street, E.C. 4.

THOMPSON & CAPPER have a vacancy for an Assistant in Manchester. Apply to Manesty Buildings, College Lane, Liverpool.

UNDER Forewoman required for Perfumery and Packed Goods Department; must be strict disciplinarian and competent to manage staff, etc. Apply, stating experience and salary required, to "Neptune" (83/33), Office of this Paper.

WANTED by London Export house, respectable girls, about sixteen, for filling and finishing department. Apply by letter, stating age, wages required, and previous experience if any, to "Forewoman" (131/491), Office of this Paper.

WANTED, girls for Labelling and Packing Perfumery and Toilet goods. Apply Francis Newbery & Sons, Ltd., 27/28 Charterhouse Square, E.C.

WANTED, a gentleman calling upon Chemists to handle an excellent Winter Speciality; ready demand assured. Apply 132/12, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

CHINA.—A thoroughly competent Assistant (ineligible for military service); age 21-30; must have had good experience in high-class Retail business; liberal terms; two years' agreement; passage paid out and home. Address "China" (81/8), Office of this Paper.

JAPAN.—Wanted immediately, an Assistant (qualified preferred) in a first-class Chemist's business at Kobe; easy hours; four years' contract; passage paid out and home; must be ineligible for the Army. Send for full particulars, with photo, to J. W. Franklin, 28 Allyn Road, London, S.E. 21.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

A S Manager of light business by elderly gentleman with good reference; indoor preferred, but not essential. "Pharmacist," 7 Avenue Road, Wallington, Surrey.

A S part-time Assistant or berth with one business day off each week; London area; past military age; very active, energetic man. Apply 81/30, Office of this Paper.

A S Manager of Light Branch, easy hours, no Sunday duty, by elderly man, qualified, with town and country experience and first-class references. Apply "Thermos" (82/23), Office of this Paper.

A SSISTANT; "capable of management"; Extractor; all-round experience; country preferred. Apply 81/20, Office of this Paper.

A SSISTANT; unqualified; 10 years' experience; ineligible; age 30; good references. Apply 79/3, Office of this Paper.

A SSISTANT; Dispensing; Counter; over military age. "Drugs," The Shrubbery, Prospect Hill, Redditch.

BY October 1, Assistant; tall; 27; C3; Counter or Dispensing; whole or part-time; West or S.W. London. "Rex," 54 Summerlands Avenue, Acton, W.

C1; Assistant or Manager; Optics, Photography and Dispensing Salesman; must be a position that secures exemption; married; aged 30; good salary. Apply 81/3, Office of this Paper.

CHARGE of Dispensary wanted by lady; experienced; well recommended; Apothecaries' Hall; free September 21; has had complete charge General Hospital, also Doctor's and N.H.I. Miss Redfern, 6 Arundel Gardens, London, W.

CHEMIST'S Assistant (Hall, 1917), lady Dispenser, well educated, capable, desires post in Laboratory, Hospital, or with Chemist; London only. Apply Miss B., 11 Melrose Road, Wandsworth.

DISENGAGED September 24, Locum or permanent; best experience. Apply 83/20, Office of this Paper.

DISPENSER or Manager; first-class West End experience; over military age. "Dispenser," 58 Warwick Avenue, Maida Vale, W.

DISPENSER; over military age; Irish qualification; first-class Irish and Canadian experience. Apply 83/18, Office of this Paper.

DISPENSING lady desires part-time appointment; Manchester district preferred. Apply 80/37, Office of this Paper.

ELDERLY, qualified Assistant; Dispenser; permanency; single; active; disengaged; light duties; moderate hours. Apply 82/1, Office of this Paper.

HOSPITAL Dispenser; Locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

HOSPITAL Dispensing wanted by lady; Apothecaries' Hall; 10 years' experience private practice. Apply 79/33, Office of this Paper.

INELIGIBLE, 31, studying for Minor, requires part-time post; Liverpool district preferred; French spoken. State hours, salary. "Colonial," 65 Brackentury Road, Preston.

INELIGIBLE, 27, qualified, discharged from Army, seeks engagement one or two days weekly. Apply to "Pensioner," 42 Oxford Street, W. Telephone, Museum 680.

LADY, partly qualified, desires post Chemist (part time). Smith, Marriott Road, Barnet.

LADY Dispenser, unqualified, good experience, desires temporary position with Doctor; if Chemist, part-time; Brighton or South Coast. Blake, 164 Tulse Hill, S.W. 2.

LADY Dispenser (Hall) requires post in London: Doctor or Institution preferred; age 28; experience with Chemist. Apply 81/6, Office of this Paper.

LADY Dispenser, Hall qualification, two years' high-class West End experience, desires engagement; Hospital or public Dispensary preferred; South London district. Apply 79/35, Office of this Paper.

LADY Dispenser desires post, Locum or permanent, with Doctor; country or near London preferred. "A.", 19 Gleneagle Road, Streatham, S.W. 16.

LADY Dispenser (Hall certificate) requires post London; mornings; Chemist's Shop, Doctor, or Institution. Miss O. Davidson, 89 Westbourne Terrace, W. 2.

LADY Dispenser (Hall) seeks post London; Hospital, Doctor, or Institution; good references. Apply 81/27, Office of this Paper.

LADY, part Hall qualification, nine months' training experience at a London Infirmary, desires position with Chemist; neighbourhood Tunbridge Wells. Choate, Pembury, Kent.

LADY Dispenser (Hall) requires post; Assistant to Doctor or Institution; whole or part-time; London district or neighbourhood of Croydon. Apply 83/7, Office of this Paper.

LADY requires post as Assistant in Chemist's Shop (unqualified); experienced. Apply 82/31, Office of this Paper.

LADY Dispenser, Hall qualification, experienced, now disengaged, desires post with Doctor or Institution; secretarial duties if desired. Apply 82/17, Office of this Paper.

LADY Dispenser (Hall certificate), experienced, desires Hospital or Infirmary post. Apply 84/11, Office of this Paper.

LADY Dispenser (Hall); well recommended, seeks post with Doctor or Institution; Bookkeeping; First Aid and Nursing certificates; perfect French. Bailey, 55 Holdenhurst Avenue, N. Finchley.

LIVERPOOL.—£2 10s. per week; elderly gentleman or lady Assistant; qualified; easy hours; references and photograph if possible. Apply 83/19, Office of this Paper.

LOCUM; unqualified; Manager or Assistant; best experience and references; good value for good money; free 24th; danger zone not objected to. Apply 83/16, Office of this Paper.

LOCUM-TENENS; disengaged September 17; unqualified; ineligible. "L. T.," 1 Eton Road, Newport, Mon.

MANAGER or Locum; qualified; Major; age 46; all-round experience; N.H.L. Photography; 11 years own business; disengaged. Walton Porter, 155 Union Street, Maidstone, Kent.

MANAGER; Major; 48; disengaged shortly; references; outdoors. Anthony, 2 Gloucester Road, Redhill, Surrey.

MANAGER, 32, classified C2, desires position where exemption would be granted; capable, trustworthy; excellent references; town or country. Apply 81/23, Office of this Paper.

MANAGER; qualified; 33; good all-round experience; capable and energetic; married; please state salary and full particulars; outdoors. Apply 81/14, Office of this Paper.

MANAGER, unqualified, married, elderly, active, abstainer, wants Management of Drug Store; would reside on premises if suitable. Apply 81/4, Office of this Paper.

MANAGER (Branch); married; 46; London; C2; eligible substitution; home and Colonial experience. Pharmacist, Prisoners' War Hospital, Belmont, Surrey.

MANAGER; Major; provincial, London, Continental, Far Eastern experience (last position 12 years); 41; married; entertain agency, Far East. Apply 83/12, Office of this Paper.

MANAGER, age 46, desires berth in first-class House, Patents Department; thorough knowledge of same; perfect control of staff, both sexes; life experience. Apply 84/4, Office of this Paper.

MANAGER; qualified; ineligible; experienced in Photography and Optics. "J. C." (84/14), Office of this Paper.

MANAGER; qualified; City or West End; outdoors; ineligible; good all-round experience. Apply 82/40, Office of this Paper.

MANAGEMENT or Business on easy terms by qualified Pharmacist; 43; energetic; managing businesses last five years; doing 2,500. Address at present Pharmacist, 23 Wellington Road, Hastings.

PHARMACIST, with capital, desires Managership, view succession; South; ineligible. 7 Compton Walk, Southampton.

PHARMACIST (elderly) at liberty Wednesdays or Thursdays and Sundays all day. Particulars to 82/16, Office of this Paper.

PHARMACIST; Manager or Locum; thoroughly experienced West End and suburbs; businesslike; first-class references. Apply 82/2, Office of this Paper.

QUALIFIED, 28, married, B2 (not labour), conditional exemption, disengaged, good references, seeks situation as Manager. "Statim" (82/27), Office of this Paper.

QUALIFIED Dispenser (woman) desires work one or more evenings weekly; October; Dispensing or Medical Bookkeeping; W.C. district. Dispenser, 11 Endsleigh Street, W.C. 1.

QUALIFIED woman desires post with Chemist; S.W. London preferred; good Dispenser; no objection to Counter work, but had no experience. Hull, 73 Thurlough Road, S.W. 12.

QUALIFIED woman Pharmacist disengaged; experienced; Dispensing only; Hospital or Pharmacy; easy hours. Chemist, 61 Church Road, Moseley, Birmingham.

QUALIFIED; fully experienced; disengaged when required; good salary essential. Please forward all details to "Statim" (84/25), Office of this Paper.

SOUTHEAST DISTRICT.—Advertiser (35), exempt, gentlemanly appearance, ability and integrity unquestioned, requires part-time or Doctor's Dispensing. 31 Dawlish Drive, Leigh-on-Sea.

UNQUALIFIED Branch Manager; Stores, Dispensing, Surgical, Optical, Photographic; 43 years; many years' management. State salary, "P. N." (81/22), Office of this Paper.

UNQUALIFIED, 42, active, thoroughly experienced, disengaged 17th; permanency or relief; W.C. preferred. "U. S. A." (80/21), Office of this Paper.

UNQUALIFIED; 23; C3; 8 years' experience Dispensing, Counter, and Photography; present engagement nearly four years. State salary and hours, "Provincial" (82/35), Office of this Paper.

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ADVERTISER.—A Pharmaceutical Chemist of large business experience, having conducted a highly successful business, is open to negotiate with a leading Wholesale house or Manufacturer for the position of Representative in any branch of the trade for the Lancashire, Cheshire, or Welsh ground. Apply 82/4, Office of this Paper.

CHEMIST, Major qualification, desires position in Wholesale or Manager Retail; over military age. Particulars to "W.", 98 Talbot Road, Old Trafford, Manchester.

FIRST-CLASS Representative desires change; London preferred; 10 years' leading London house. Apply 79/12, Office of this Paper.

LADY, with large connection among Doctors, Chemists, and private people, etc., wishes to represent firm. Apply 81/5, Office of this Paper.

TO ANY LARGE MANUFACTURING OR WHOLESALE CHEMICAL CONCERN in need of a reliable BUYER OR SALES MANAGER my special qualifications will appeal. I have had several years' experience of the Drug and Chemical trades, good technical knowledge, and a wide connection among Buyers at home and abroad. Exceptional facilities for Russian business. First-class references.—Address 125/11, Office of this Paper.

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WATSONS, THE CAMERA HOUSE, 84 High Street, SHEFFIELD. Tel. No. 27.

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FAR EAST.—Representative, Chemist; over military age; energetic; good business connection India and Far East; chemicals, Perfumery, Sundries, and Optics. Confidential offers to "Indicus" (82/26), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—60 Allenburys 6% Pref., 20s. 6d. c.d.; 40 B Pref., 19s. 10d.; 100 Brunner 10d.; 89s. 6d.; 200 Bryant & May, 42s. 3d.; 150 British Oil 10d.; 31s. 4d. x.d.; 200 Lewis & Burrows Ord., 6s. 9d.; 300 % Pref., 14s. 4d.; 300 Molassine 7% Pref., 15s. 10d. c.d.; 5 Tower Tea Ord., 3s. 6d.; 140 Wickens & Pease, 30s. 4d.; 100 Schweppes Deferred, 6s.

Wanted (subject).—Idris Debs., Camwal Debs.; 200 Wright & Ayman Pref., 18s. 6d. x.d.; 500 A. G. White, 4s. 6d. Every effort made to effect business for Buyers and Sellers in Stocks and Shares. Bankers, London County and Westminster.

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For the terms upon which announcements are inserted
herein see Supplement for September 1, p. xxxvi.

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Butyl chloral hydrate Cycloform (130/28)
(130/28) Elcaya crème (130/28)
Chinoral (130/28) Eugallol (130/28)
Colgate's Cashmere bou- Euresol pro capillis (130/28)
quet soap (130/28) Lenigallol (130/28)
Colgate's shaving soap Naftalan (130/28)
(130/28) Pond's vanishing cream
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tions received which he may consider contrary to this rule.

FOR DISPOSAL.**BOOKS AND PERIODICALS.**

WHAT Offers? "Cooley's Receipts," "Beale's Microscope,"
"Nettleship's & Swanzy's Optics," 4 Pharmacy Year Books.
Hasselby, Hastings.

DENTAL.

FOR Sale, 6 Dental Celluloid Showpieces. R. Lamb, 123 West
End Lane, London.

DRUGS AND CHEMICALS.

2 1/2 oz. Phenacetin, 16s.; cash with order: Morris's, Calais Street,
Leicester.

OFFERS wanted, or exchange for 20 x 2 1/2 lb. Ether Meth. 755,
D. & F. Johnson, Chemist, Milford Haven.

5 lb. Pulv. Tragac. Opt. for sale, or exchange Pot. Permang. or
Pot. Brom. R., 64 Greenwood Road, E. 8.

ACID Oxalic, 7 lb., 11s. 6d.; Cream Tartar B.P., 7 lb., 14s.;
3 large Developing Dishes, 7s.; cash with order. W. Freeman,
17 Warrender Road, London, N.

OFFERS. 2 lb. Pot. Caustica Pur, 2 oz. Theobrom. Soda Sal.,
1/2 oz. Codeine Phosph., 1/2 oz. Veronal (Bayer), 1 oz. Butyl-
Chloral Hyd. Brindle, Chemist, Astley Bridge, Bolton.

MISCELLANEOUS.

WHAT Offers? I.R. Water-bed, 6 ft. x 3 ft.; as new. F. A.
Reddall, Five Ways, Cradley Heath.

WANTED.

SACCHARIN wanted. Quantity, strength, and price to Lloyd,
323 Coventry Road, Birmingham

NYAL Beef Iron Wine wanted. State quantity and price, Low,
Chemist, Fraserburgh.

SACCHARIN wanted; small or large quantities. Timothy
White Co., Ltd., Portsmouth.

GROSS, one-ounce Collapsible Tin Tubes; lowest price; carriage
paid. Hazelby, Chemist, Ringwood.

WANTED, V.P.K. Enlarger, 2 1/2 in. Developing Tank, in good
condition. State prices, Ritchie, Chemist, Montrose.

WANTED, "Dictionary of Applied Chemistry" (Thorpe); in good
condition. H. & Co., Ltd., 112 Fenchurch Street, E.C. 3.

TIN Boxes, round; diameter 2 1/4" x 1 1/2" deep, 2 1/2 x 1 1/2, or nearest.
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Chemists, Larne.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for
valuation; cash offers per return. Gower, Bookseller, 41 Vol-
taire Road, Clapham, S.W.

WANTED to buy, Dental Chair; condition paint not much object
as long as working parts sound. Particulars, Hill, Drug
Stores, 15a Canal Walk, Southampton.

WANTED, Pure Medicinal Phenolphthalein; also small Mill
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